

LUMBER AND TIMBER PRODUCTS

[Preliminary reports for this industry were issued as follows: Lumber Cut of 779 Identical Mills, Aug. 13, 1933; Lumber, Lath, and Shingles, Dec. 31, 1933; Lumber and Timber Products, Mar. 27, 1937]

The report for this industry is included in the series presenting the results of the biennial censuses of manufactures, and also in the annual series of lumber-production reports that have been published by the Bureau of the Census or by the Forest Service, Department of Agriculture, beginning with 1904.¹

Description of the industry.—Under the industry designation "Lumber and Timber Products" are classified logging camps; merchant sawmills; combined sawmills and planing mills,² including those engaged in the manufacture of boxes;² veneer mills; and cooperage-stock mills. Establishments engaged primarily in the manufacture of baskets and boxes are classified in their respective industries—"Baskets and Rattan and Willow Ware, not including Furniture," "Boxes, Cigar, Wooden," and "Boxes, Wooden, Except Cigar Boxes"—even though some of them produce veneers from logs or bolts. Data for the logs or bolts consumed in the manufacture of veneers by such establishments, and for the veneers produced either for their own consumption or for sale, so far as reported, are included in the figures for consumption of logs and production of veneers, in tables 11, 12, and 13, pages 492 to 494. Establishments engaged primarily in the manufacture of cooperage are classified in the "Cooperage" industry, regardless of whether they produce the cooperage stock used, but data for the cooperage stock (staves, heading, and hoops) produced, either for their own consumption or for sale, by manufacturers of cooperage are included in the figures for the production of tight and slack cooperage stock, as given in tables 14 and 15, pages 495 and 496.

The principal products of logging camps are saw logs; shingle, stave, and heading bolts; hewn and round poles; mine timbers; spars; piling; fence posts; railway ties; and wheel, handle, and excelsior stock. The products of sawmills include rough lumber, shingles, lath, and sawed railway ties; cooperage, spool, pencil, and penholder stock; and veneers. The principal planing-mill products are dressed lumber, sash, doors, blinds, interior woodwork, and moldings.

Veneers are cut into so many different thicknesses—ranging from less than $\frac{1}{20}$ of an inch to more than $\frac{1}{6}$ of an inch—that it is difficult to obtain accurate data on the number of square feet made. Many manufacturers fail to supply the information because of lack of records. (See tables 12 and 13, pages 493 and 494.)

¹ The Forest Service, of the Department of Agriculture, cooperates in the Lumber and Timber Products canvass by collecting data in 12 Western States—namely, the Pacific Coast States, the Rocky Mountain States, and South Dakota—and in Alaska, and also cooperates in an advisory capacity in the compilation of all production statistics.

² Planing mills and box factories not operated in conjunction with sawmills are classified separately. (See pp. 501 and 432.)

The products of cooperage-stock mills are tight and slack staves, heading, and wooden hoops, used by coopers in the manufacture of hogsheads, barrels, kegs, kits, and firkins. Containers for liquids are made from tight-cooperage stock and containers for solids from slack-cooperage stock. (See tables 14 and 15, pages 495 and 496.)

Practically all the products of the establishments in this industry are used as materials for remanufacture by establishments in other industries—for example, the manufacture of furniture—or as building materials.

Establishments reporting products valued at less than \$5,000.—As explained elsewhere (see sec. 6*d*, p. 5), the censuses of manufactures are, in general, restricted to establishments reporting products valued at \$5,000 or more. For the "Lumber and Timber Products" industry this limitation applies with reference to the statistics for 1935 and 1933 given in tables 1 to 4. At earlier censuses a mill that sawed 200,000 feet of lumber, 1,000,000 lath, or 2,500 squares of shingles was treated as an establishment with products valued at \$5,000. Tables 5 to 10, however, cover all mills that sawed 50,000 feet or more of lumber or its equivalent in lath (250,000) or in shingles (625 squares).

Number of establishments and number of mills.—The numbers of establishments given in table 1 differ from the total numbers of mills given in table 6, these differences being due to three causes: (1) The establishments include independent logging camps; (2) the number of mills is the actual number of individual mills, whereas in some cases two or more mills operated under common ownership are counted as a single establishment; (3) the minimum production limit for mills is 50,000 feet of lumber or its equivalent whereas the value-of-products minimum for establishments (for the purpose of collecting data for wage earners, wages, etc.) is \$5,000. (See "Establishments reporting products valued at less than \$5,000," above.)

Average values of lumber, by kinds of wood.—The average values shown by table 7 were based on returns from a majority of the establishments reporting for each year, and it is believed that they reflect fairly accurately the average values of the several kinds of lumber at the mill, for the United States as a whole.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (-)	
					1933-1935	1929-1935
Number of establishments.....	5,981	3,783	4,996	12,915	58.1	-53.7
Proprietors and firm members..	5,413	3,179	(¹)	13,345	70.3	-59.4
Salaried personnel, total ²	13,612	(³)	(¹)	21,714	(³)	-37.3
Salaried officers of corporations.....	2,145	(³)	(¹)	3,322	(³)	-35.4
Supervisory, technical, and clerical employees.....	⁴ 11,467	⁵ 9,488	(¹)	18,392	20.9	-37.7
Salaries paid, total ²	\$26,758,598	(³)	(¹)	\$56,438,365	(³)	-52.6
To salaried officers of corporations.....	\$8,359,386	(³)	(¹)	\$17,628,449	(³)	-52.6
To supervisory, technical, and clerical employees.....	⁴ \$18,399,212	⁵ \$14,280,762	(¹)	\$38,809,916	28.8	-52.6
Wage earners (average for year) ⁶	255,230	189,367	196,647	419,084	34.8	-39.1
Wages.....	\$183,074,245	\$113,183,481	\$155,869,926	\$421,584,874	61.7	-56.6
Cost of materials, etc., total.....	\$208,113,171	\$123,450,395	\$160,510,644	\$419,603,388	68.6	-50.4
Cost of materials and supplies.....	\$201,228,821	(¹)	(¹)	\$411,076,264	(¹)	-51.0
Cost of fuel.....	\$4,027,169	(¹)	(¹)	\$5,239,863	(¹)	-23.1
Cost of purchased electric energy.....	\$2,857,181	(¹)	(¹)	\$3,287,261	(¹)	-13.1
Value of products.....	\$551,614,009	\$350,463,587	\$443,628,821	\$1,273,472,320	57.4	-56.7
Value added by manufacture ⁷	\$343,500,838	\$227,013,192	\$283,118,177	\$853,868,932	51.3	-59.8

¹ No data.² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.³ Data incomplete.⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 5,217; salaries, \$10,476,884. Technical 388; salaries, \$686,929. Clerical, 5,862; salaries, \$7,235,399. See sec. 10, p. 7.⁵ Supervisory, 4,078; salaries, \$3,049,395. Clerical and other, 5,410; salaries, \$6,231,367. See sec. 10, p. 7.⁶ See sec. 11, p. 7.⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added by manufacture
United States..	5,981	13,612	255,230	\$26,758,598	\$183,074,245	\$208,113,171	\$551,614,009	\$343,500,838
Alabama.....	490	574	12,747	889,238	5,482,143	8,879,846	20,963,117	12,083,271
Arizona.....	11	64	937	161,229	848,498	792,092	2,283,505	1,491,413
Arkansas.....	299	713	13,904	1,235,646	7,119,720	11,591,590	25,175,617	13,584,027
California.....	134	984	14,251	2,017,898	16,332,920	8,770,714	37,444,407	28,673,693
Colorado.....	51	39	583	71,220	528,930	224,546	1,046,035	821,489
Connecticut.....	15	3	78	924	61,944	46,430	165,801	119,371
Delaware.....	11	1	68	1,300	37,249	46,136	122,589	76,453
Florida.....	201	519	11,356	1,020,704	5,800,211	7,066,637	18,960,141	11,893,504
Georgia.....	455	447	9,390	671,094	3,185,966	5,653,869	13,435,541	7,781,672
Idaho.....	69	252	5,869	546,185	6,731,644	5,687,568	17,806,100	12,118,532
Illinois.....	37	35	624	85,931	326,129	428,572	1,129,646	701,074
Indiana.....	116	173	1,879	399,601	1,827,814	2,530,774	5,616,139	3,085,305
Iowa.....	6	10	55	18,869	30,316	57,451	112,097	54,646
Kentucky.....	146	206	2,694	368,351	1,447,391	2,206,002	5,593,676	3,337,674
Louisiana.....	173	988	16,921	1,985,520	9,150,335	12,576,005	31,628,469	19,052,404
Maine.....	175	136	3,087	195,969	2,054,144	1,959,886	6,165,544	4,205,688
Maryland.....	37	19	382	24,911	172,119	296,692	648,273	351,581
Massachusetts.....	41	33	457	68,488	373,841	470,401	1,315,854	845,453
Michigan.....	106	351	8,483	728,380	6,831,866	5,653,982	17,010,435	11,576,453
Minnesota.....	54	112	2,849	190,090	1,920,610	2,589,785	5,642,635	3,052,880
Mississippi.....	366	686	15,551	1,248,642	7,967,998	11,565,426	27,852,023	16,236,597
Missouri.....	87	142	1,888	213,480	901,657	1,937,276	4,025,946	2,088,670
Montana.....	40	144	1,940	352,914	2,066,050	2,205,356	5,581,294	3,375,938
New Hampshire.....	86	68	1,043	120,044	801,272	2,163,540	3,808,782	1,645,242
New Jersey.....	14	29	213	56,620	219,528	100,716	563,487	372,771
New Mexico.....	22	62	1,567	138,032	981,697	682,769	2,757,772	2,075,003
New York.....	67	105	1,075	210,435	1,001,155	1,165,763	3,393,278	2,227,515
North Carolina.....	398	513	11,060	898,279	5,000,093	7,474,156	17,944,833	10,470,677
Ohio.....	100	103	943	185,214	686,614	1,147,195	2,901,857	1,754,662
Oklahoma.....	24	83	2,017	98,680	1,079,960	1,048,379	2,900,396	1,852,017
Oregon.....	395	1,357	26,308	3,049,633	27,126,135	24,411,563	72,783,275	48,371,712
Pennsylvania.....	142	121	1,723	187,785	1,181,090	1,412,090	4,318,419	2,906,329
Rhode Island.....	3	-----	16	-----	11,136	14,450	34,694	20,244
South Carolina.....	216	416	9,852	837,606	4,386,883	5,113,684	12,963,256	7,839,572
South Dakota.....	12	43	440	86,576	424,041	284,637	869,285	584,648
Tennessee.....	187	413	5,660	718,207	2,921,295	5,112,562	11,944,159	6,831,597
Texas.....	112	440	9,347	746,046	5,457,673	6,616,883	16,649,876	10,032,993
Vermont.....	95	92	1,370	140,989	958,963	1,078,878	3,149,027	2,070,149
Virginia.....	281	272	7,294	465,785	3,258,023	3,954,173	10,867,096	6,912,923
Washington.....	489	2,148	37,165	4,905,528	38,290,542	45,066,555	110,402,011	65,335,456
West Virginia.....	117	237	4,655	457,883	3,280,558	2,493,808	8,154,297	5,660,489
Wisconsin.....	81	416	6,769	840,572	4,527,053	5,230,481	13,784,214	8,553,733
Wyoming.....	15	35	495	63,733	583,142	150,444	961,544	811,100
Other States ¹	5	28	224	54,367	198,380	283,409	747,567	464,158

¹ Kansas, 2 establishments; Nevada, 1; Utah, 2. Combined to avoid disclosing any figures reported by individual establishments.

LUMBER AND TIMBER PRODUCTS

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
[See secs. 11 and 23. pp. 7 and 12]

	Average number employed during year 1	NUMBER REPORTED FOR—											
		January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>	255,223	224,246	237,759	244,402	247,045	241,202	239,039	255,856	275,087	270,727	230,988	273,494	263,836
1933.....	189,367	(*)	(*)	147,015	(*)	(*)	191,555	(*)	(*)	229,021	(*)	(*)	203,863
<i>States, 1935</i>													
Alabama.....	12,743	11,811	12,000	12,208	12,212	12,323	12,436	12,916	13,096	13,628	13,384	13,532	13,375
Arizona.....	937	11,725	845	897	907	933	984	1,012	971	956	959	1,000	1,051
Arkansas.....	13,016	12,395	12,848	13,333	12,948	13,351	13,127	13,928	14,725	15,251	15,327	14,972	14,714
California.....	14,226	9,808	10,221	11,044	12,394	14,921	16,167	16,954	17,256	17,036	16,708	14,921	13,280
Colorado.....	580	423	339	403	435	475	577	735	767	729	727	676	624
Connecticut.....	78	93	92	111	114	78	70	53	42	49	66	86	87
Delaware.....	68	51	39	59	87	76	67	75	80	77	87	80	39
Florida.....	11,358	10,868	11,140	11,162	11,053	11,219	11,315	11,308	11,385	11,402	11,746	11,844	11,850
Georgia.....	9,390	8,878	9,980	9,292	9,361	9,469	9,601	9,436	9,592	9,544	9,606	9,509	9,505
Idaho.....	5,875	2,949	3,113	3,376	4,092	5,870	7,609	8,061	8,511	8,263	7,727	6,302	4,627
Illinois.....	624	571	561	610	587	624	605	644	649	616	702	689	625
Indiana.....	1,880	1,599	1,704	1,742	1,834	1,848	1,843	1,938	1,999	2,016	2,063	2,063	1,892
Iowa.....	55	49	45	48	50	50	49	52	61	73	68	59	58
Kentucky.....	2,700	2,704	2,354	2,483	2,365	2,394	2,568	2,691	2,856	3,001	3,216	3,165	2,979
Louisiana.....	16,921	15,159	15,806	16,393	16,395	16,615	17,024	17,442	17,782	18,081	17,987	17,528	16,836
Maine.....	3,087	3,381	3,426	3,396	2,871	3,153	3,304	2,912	2,736	2,684	3,192	3,123	2,871
Maryland.....	382	296	386	443	2,473	3,453	3,373	3,312	3,312	3,332	4,005	3,998	4,010
Massachusetts.....	457	465	482	478	471	449	460	414	436	444	469	469	452
Michigan.....	8,468	9,368	10,046	9,531	7,163	7,686	7,489	7,489	7,673	8,478	9,160	8,976	8,823
Minnesota.....	2,849	3,044	3,111	2,951	2,151	2,503	2,370	2,361	2,408	2,432	2,957	3,715	4,187
Mississippi.....	15,551	14,824	14,746	14,658	14,882	15,033	15,591	16,584	16,295	16,133	16,135	15,995	15,741
Missouri.....	1,888	1,654	1,787	1,814	1,814	1,860	1,765	1,739	2,001	2,079	2,106	2,065	2,033
Montana.....	1,941	1,409	1,547	1,582	1,598	1,992	2,217	2,325	2,233	2,229	2,217	2,011	1,933
New Hampshire.....	1,046	1,082	1,082	1,120	1,098	1,028	1,032	957	883	977	1,087	1,151	1,057
New Jersey.....	213	188	190	188	204	210	222	225	218	223	243	237	213

For footnotes, see end of table.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935—Continued
 [See secs. 11 and 23, pp. 7 and 12]

	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
Average number employed during year ¹												
<i>States, 1935—Continued</i>												
New Mexico.....	1,567	1,287	1,163	1,697	1,750	1,795	1,783	1,667	1,642	1,645	1,566	1,521
New York.....	1,223	1,263	1,430	1,088	1,094	1,128	1,183	1,100	1,071	1,069	1,090	1,049
North Carolina.....	10,480	10,702	11,228	11,204	11,160	11,045	10,898	11,277	11,255	11,275	11,305	10,924
Ohio.....	800	878	833	852	812	842	896	860	855	858	1,011	963
Oklahoma.....	1,802	1,840	1,873	1,952	2,032	2,030	2,132	2,161	2,120	2,177	2,150	2,013
Oregon.....	19,490	21,858	22,856	25,592	24,601	24,912	27,002	30,704	31,446	30,656	28,737	27,058
Pennsylvania.....	1,634	1,646	1,695	1,686	1,723	1,756	1,823	1,795	1,649	1,791	1,758	1,698
Rhode Island.....	15	15	17	17	17	17	17	15	15	15	15	15
South Carolina.....	9,086	9,552	9,393	9,363	9,520	9,715	10,133	10,311	10,219	10,186	10,342	10,416
South Dakota.....	440	450	450	432	419	444	477	484	424	420	411	421
Tennessee.....	4,993	5,151	5,246	5,270	5,447	5,457	5,741	6,054	6,247	6,334	6,079	5,896
Texas.....	9,022	9,157	9,159	9,131	9,029	9,085	9,480	9,313	9,708	9,780	9,730	9,624
Virginia.....	1,370	1,451	1,408	1,400	1,383	1,412	1,286	1,265	1,312	1,365	1,437	1,451
Virginia.....	5,946	6,587	7,154	7,330	7,274	7,266	7,372	7,781	8,020	7,917	7,755	7,121
Washington.....	31,852	37,294	39,825	41,691	29,384	20,665	29,637	42,419	44,242	44,170	43,016	41,900
West Virginia.....	4,259	4,282	4,240	4,449	4,716	4,829	4,814	4,834	4,914	4,900	4,911	4,717
Wisconsin.....	6,640	6,910	6,789	5,983	6,057	6,752	6,948	7,184	6,728	6,999	6,994	7,073
Wyoming.....	410	405	376	360	341	456	625	681	715	533	552	492

* Data incomplete.

¹ As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, they differ somewhat from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

TABLE 4.—PRODUCTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1935, 1933, 1931, AND 1929

[The values shown in this table for logs and bolts, rough lumber, veneers, and cooperage stock cover all products that were made within the year except those that were consumed in further manufacture in the same plants within the year. (The values of such products used in further manufacture are, of course, included in those shown for "Planing-mill products and other remanufactured products")]

	VALUE			
	1935	1933	1931	1929
"Lumber and Timber Products" industry, all products, total value.....	\$551,614,009	\$350,463,587	\$443,628,821	\$1,273,472,320
Timber products:				
Logs and bolts (see headnote).....	40,129,004	30,104,337	32,675,855	109,592,753
All other hewn, round, and split timber products ¹	12,960,500	5,938,853	11,138,258	26,609,223
Sawmill products:				
Rough lumber (see headnote).....	187,893,050	98,668,857	150,824,191	464,191,909
Shingles.....	10,131,261	6,815,708	4,972,941	17,909,029
Lath.....	2,042,252	1,025,736	1,626,152	5,884,176
Veneers ¹ (see headnote).....	16,553,528	10,489,554	16,501,242	45,803,885
Slack-cooperage stock ¹ (see headnote).....	5,960,491	5,431,655	6,892,211	15,900,135
Tight-cooperage stock ¹ (see headnote).....	10,501,632	6,211,967	6,902,023	12,825,286
Other sawmill products.....	5,703,801	² 23,752,047	5,030,062	² 65,956,803
Planing-mill products and other remanufactured products:				
Dressed lumber and other planing-mill products (see p. 505).....	213,976,665	132,978,480	168,058,311	³ 436,944,103
Wooden boxes (see p. 436).....	30,149,460	23,830,282	33,737,817	58,958,103
Other products (not normally belonging to the industry).....	11,458,085	4,040,507	3,281,524	6,308,638
Receipts for contract and custom logging, sawing, and planing.....	4,154,280	1,175,604	1,988,234	6,588,277

¹ In addition, the following-specified products were reported as produced for sale (or as on hand at the end of the year) by establishments engaged primarily in other lines of manufacture:

	Value			
	1935	1933	1931	1929
Hewn, round, and split timber products.....	\$10,448	\$4,251	No data	No data
Veneers.....	167,007	600,339	\$108,271	\$607,548
Slack-cooperage stock.....	44,621	53,217	} 1,135,324	1,887,540
Tight-cooperage stock.....	1,012,360	656,964		

² Includes values of products not reported by kind.

³ Revised.

TABLE 5.—LUMBER—PRODUCTION AND PERCENT DISTRIBUTION OF CUT, BY GROUPS OF STATES: 1935, 1934, 1933, AND 1929

	1935		1934		1933		1929	
	Quantity (M feet)	Per-cent of total						
United States.....	19,538,731	100.0	15,493,639	100.0	13,961,134	100.0	36,886,032	100.0
New England States ²	485,831	2.5	456,186	2.9	270,035	1.9	677,760	1.8
Middle Atlantic States ³	264,161	1.4	242,348	1.6	147,369	1.1	553,928	1.5
Lake States ⁴	807,778	4.1	595,911	3.8	394,155	2.8	1,771,011	4.8
Central States ⁵	1,005,027	5.1	908,914	5.9	529,579	3.8	2,347,232	6.4
Prairie States ⁶	45,298	.2	39,074	.3	33,825	.2	81,458	.2
South Atlantic States ⁷	1,658,833	8.5	1,318,687	8.5	1,255,509	9.0	2,978,816	8.1
East Gulf States ⁸	2,275,686	11.6	1,608,716	10.4	1,669,065	12.0	4,582,111	12.4
Lower Mississippi States ⁹	3,894,053	19.9	2,982,964	19.3	2,840,917	20.3	7,901,558	21.4
North Pacific States ¹⁰	6,597,764	33.8	5,443,912	35.1	5,362,123	38.4	12,086,072	32.8
South Pacific States ¹¹	1,355,713	6.9	1,014,747	6.5	784,626	5.6	2,063,229	5.6
North Rocky Mountain States ¹²	842,845	4.3	628,930	4.1	441,597	3.2	1,417,502	3.8
South Rocky Mountain States ¹³	305,742	1.6	253,250	1.6	232,334	1.7	425,346	1.2

¹ No data are included in this table for mills reporting less than 50,000 feet.

² Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

³ Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania.

⁴ Michigan, Minnesota, Wisconsin.

⁵ Illinois, Indiana, Kentucky, Missouri, Ohio, Tennessee, West Virginia.

⁶ Iowa, Kansas, Nebraska, North Dakota, South Dakota.

⁷ North Carolina, South Carolina, Virginia.

⁸ Alabama, Florida, Georgia.

⁹ Arkansas, Louisiana, Mississippi, Oklahoma, Texas.

¹⁰ Oregon, Washington.

¹¹ California, Nevada.

¹² Idaho, Montana.

¹³ Arizona, Colorado, New Mexico, Utah, Wyoming.

TABLE 6.—LUMBER—PRODUCTION, BY STATES: 1935, 1934, AND 1933

STATE	NUMBER OF ACTIVE MILLS REPORTING			LUMBER SAWED (M FEET)		
	1935 ¹	1934	1933	1935	1934	1933
United States.....	11,365	15,012	7,742	19,538,731	15,493,639	13,961,134
Alabama.....	861	1,013	652	952,107	659,152	756,651
Arizona.....	31	25	23	100,001	73,150	90,092
Arkansas.....	658	814	345	855,938	627,647	514,378
California and Nevada ²	189	192	³ 141	1,355,713	1,014,747	³ 784,626
Colorado.....	151	162	134	47,557	49,464	33,759
Connecticut.....	27	39	28	8,473	11,412	6,902
Delaware.....	17	26	5	6,995	5,415	1,469
Florida.....	252	367	244	609,701	473,343	439,168
Georgia.....	852	1,060	667	713,878	476,221	473,246
Idaho.....	162	151	126	609,212	457,089	316,471
Illinois.....	71	69	21	18,799	14,928	8,091
Indiana.....	218	214	88	85,773	64,553	42,333
Iowa.....	10	8	4	2,505	2,938	3,930
Kansas and Nebraska ²	8	6	6	5,024	2,669	
Kentucky.....	438	601	104	164,353	122,776	46,636
Louisiana.....	206	278	192	1,065,384	774,646	836,009
Maine.....	301	257	150	217,461	178,497	104,904
Maryland.....	76	105	47	22,463	24,095	12,268
Massachusetts.....	103	108	39	56,227	57,103	23,737
Michigan.....	159	165	150	332,700	235,560	159,614
Minnesota.....	177	173	33	108,160	95,360	48,655
Mississippi.....	792	1,293	549	1,102,352	875,206	792,031
Missouri.....	190	456	125	63,574	100,546	41,271
Montana.....	116	105	89	293,633	171,841	125,126
New Hampshire.....	175	208	123	127,158	154,646	101,411
New Jersey.....	29	27	10	8,123	7,410	5,327
New Mexico.....	80	74	55	126,394	101,409	89,498
New York.....	174	179	89	68,750	58,676	35,714
North Carolina.....	734	1,152	575	684,685	571,452	513,199
Ohio.....	294	331	136	82,546	82,792	37,705
Oklahoma.....	50	138	46	126,326	110,986	104,636
Oregon.....	475	497	427	3,145,237	2,379,642	2,256,028
Pennsylvania.....	358	363	253	157,530	146,752	92,591
Rhode Island.....	10	13	9	3,701	4,315	2,939
South Carolina.....	391	474	298	532,022	341,061	421,740
South Dakota.....	34	28	22	37,769	33,467	29,895
Tennessee.....	501	970	262	337,008	299,398	168,930
Texas.....	193	381	206	744,053	594,479	593,863
Utah.....	67	68	65	8,543	10,360	8,008
Vermont.....	162	135	83	72,811	50,213	30,092
Virginia.....	697	1,113	433	442,126	406,174	320,570
Washington.....	426	447	374	3,452,527	3,064,270	3,106,095
West Virginia.....	183	436	75	252,974	223,921	184,613
Wisconsin.....	203	244	198	366,918	264,991	185,886
Wyoming.....	64	47	40	23,247	18,837	10,977

¹ As this table covers lumber mills only, the numbers of mills reporting differ somewhat from the numbers given in table 10, which includes data for lath and shingle mills.

² Combined to avoid disclosing output of individual mills.

³ California only.

⁴ Iowa, 3; Kansas, 3; Nebraska, none.

TABLE 7.—PRODUCTION AND AVERAGE VALUE, AT THE MILL, OF LUMBER, BY KIND OF WOOD, AND OF LATH AND SHINGLES, FOR THE UNITED STATES: 1935, 1934, AND 1933

[For stocks on hand Jan. 1 and Dec. 31, 1935, see table 9]

	QUANTITY			AVERAGE VALUE PER SPECIFIED UNIT		
	1935	1934	1933	1935	1934	1933
Lumber, aggregate.....	<i>M feet</i> 19,538,731	<i>M feet</i> 15,493,639	<i>M feet</i> 13,961,134	\$20.43	\$21.47	\$18.55
Softwood, total.....	16,247,981	12,735,358	11,898,873	19.08	20.05	16.94
Balsam fir.....	14,524	6,860	2,799	22.03	20.27	19.79
Cedar.....	180,531	139,807	111,304	29.33	27.94	26.91
Cypress.....	326,165	178,977	158,435	29.51	30.73	26.30
Douglas fir.....	4,772,449	4,065,823	3,969,154	15.97	16.14	13.57
Hemlock.....	578,325	478,130	415,771	18.53	17.70	14.27
Larch.....	97,734	79,416	48,006	16.90	16.07	13.34
Lodgepole pine.....	17,691	19,322	11,844	18.27	16.54	16.23
Ponderosa pine.....	2,527,553	1,806,220	1,689,773	20.40	20.51	18.57
Redwood.....	328,862	282,149	163,899	29.77	30.03	26.29
Spruce.....	289,353	259,345	198,378	22.09	21.75	13.89
Sugar pine.....	192,829	110,013	84,592	30.03	27.64	27.95
White fir.....	107,453	80,906	67,253	16.17	15.15	15.30
White pine.....	854,266	755,882	532,088	25.66	23.75	21.45
Yellow pine.....	5,960,246	4,472,503	4,445,577	18.24	21.64	17.91
Hardwood, total.....	3,290,750	2,758,281	2,062,261	27.09	28.01	27.81
Alder.....	32,537	20,764	23,769	19.28	19.16	17.99
Ash.....	89,525	75,746	54,478	30.02	30.26	33.23
Basswood.....	72,102	51,947	37,282	32.06	30.78	29.19
Beech.....	94,291	71,549	43,983	23.65	22.63	22.75
Birch.....	166,484	126,366	81,313	31.92	30.58	29.02
Buckeye.....	2,307	1,169	633	25.05	25.06	24.01
Cherry.....	4,899	4,500	2,531	35.66	39.38	45.14
Chestnut.....	87,468	78,737	50,459	21.96	23.53	23.01
Cottonwood.....	97,866	108,570	107,642	20.62	20.68	22.18
Dogwood.....	384			50.00		
Elm.....	66,719	49,341	33,317	25.03	24.09	23.09
Hackberry.....	989	898	713	20.08	21.20	16.31
Hickory.....	22,264	13,018	10,674	31.41	27.92	26.27
Locust.....	229	493	368	23.13	22.25	25.55
Magnolia.....	24,758	22,135	20,526	24.27	27.60	27.13
Mahogany.....	11,599	6,192	9,275	122.67	130.51	149.91
Maple.....	403,542	310,590	221,272	30.60	30.84	30.51
Oak.....	1,194,577	1,082,670	697,595	27.15	27.54	28.53
Pecan.....	5,648	2,523	3,067	27.02	32.84	21.73
Red gum.....	481,822	393,293	386,166	22.33	24.70	23.01
Sycamore.....	18,624	14,138	11,201	22.80	21.52	22.73
Tupelo.....	191,660	125,672	122,539	19.65	22.70	22.01
Walnut.....	23,198	20,755	22,015	75.64	86.60	77.61
Willow.....	12,754	12,068	9,055	21.15	23.44	22.20
Yellow poplar.....	181,703	163,333	110,527	28.65	30.01	29.91
Other ²	2,801	1,814	1,856	83.53	79.12	102.63
Lath.....	<i>Thousands</i> 620,038	<i>Thousands</i> 416,308	<i>Thousands</i> 408,192	3.33	(³)	2.54
Shingles.....	<i>Squares</i> 4,416,709	<i>Squares</i> 3,477,063	<i>Squares</i> 3,662,250	2.35	(³)	1.90

¹ Revised.² For 1935: Balsa, 1,571 M feet; bay, 50; box elder, 82; butternut, 143; cucumber, 5; holly, 3; lauan, 277; persimmon, 147; sassafras, 77; Spanish cedar, 411; miscellaneous foreign woods, 30. For 1934 and 1933, see reports for those years.³ No data.

TABLE 8.—LUMBER—PRODUCTION, BY KIND OF WOOD, FOR PRINCIPAL STATES: 1935

ALDER

Red alder (*Alnus rubra*) is the only species of alder cut for lumber.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	32, 537	\$19. 23
Washington.....	21, 803	20. 39
Oregon.....	10, 734	17. 04

ASH

The species of ash covered by this table are as follows:

White ash (*Frazinus americana*); cut principally in the Central States.Green ash (*Frazinus pennsylvanica lanceolata*); cut principally in the Southern States.Black (or brown) ash (*Frazinus nigra*); cut in the Lake States and Northeastern States.Red ash (*Frazinus pennsylvanica*); cut in small quantities in the Eastern States.Oregon ash (*Frazinus oregona*); cut in the Pacific Northwest.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	89, 525	\$30. 02	Florida.....	4, 746	\$28. 34
Louisiana.....	15, 744	24. 08	Pennsylvania.....	3, 315	49. 75
South Carolina.....	8, 219	26. 58	Michigan.....	3, 204	28. 78
Arkansas.....	7, 769	25. 32	Alabama.....	3, 143	27. 99
Georgia.....	6, 060	32. 86	Wisconsin.....	2, 800	24. 86
Mississippi.....	6, 557	32. 25	West Virginia.....	2, 755	40. 53
Tennessee.....	6, 255	33. 59	New York.....	2, 065	34. 18
Texas.....	5, 818	35. 09	Other States ¹	10, 475	30. 23

BALSAM FIR

Abies balsamea is the only species cut as balsam fir.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	14, 524	\$22. 03	Vermont.....	2, 778	\$23. 81
Maine.....	9, 854	21. 48	Minnesota.....	1, 047	17. 71
			Other States ¹	845	27. 94

BASSWOOD

The chief species of basswood covered by this table are as follows:

Basswood (or linn) (*Tilia glabra*); cut principally in the Lake States.White basswood (*Tilia heterophylla*); cut in the Appalachian Mountain region.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	72, 102	\$32. 06	North Carolina.....	1, 842	\$26. 78
Wisconsin.....	27, 362	34. 68	Indiana.....	1, 612	37. 76
Michigan.....	15, 947	34. 77	Virginia.....	1, 571	33. 04
West Virginia.....	8, 713	29. 60	Pennsylvania.....	1, 502	26. 24
New York.....	3, 114	27. 06	Minnesota.....	1, 423	20. 39
Tennessee.....	3, 085	29. 13	Vermont.....	1, 033	26. 68
Kentucky.....	1, 915	21. 03	Other States ¹	2, 978	26. 20

¹ See table 10.

TABLE 8.—LUMBER—PRODUCTION, BY KIND OF WOOD, FOR PRINCIPAL STATES:
1935—Continued

BEECH

Fagus grandifolia is the only species cut for beech lumber.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	94, 291	\$23. 65	Kentucky.....	6, 727	\$16. 97
Pennsylvania.....	13, 790	23. 40	New York.....	6, 533	25. 64
Ohio.....	10, 368	19. 27	Louisiana.....	5, 384	19. 86
West Virginia.....	9, 477	29. 94	Tennessee.....	4, 922	22. 38
Mississippi.....	8, 523	24. 40	Vermont.....	4, 609	29. 66
Indiana.....	8, 501	24. 10	New Hampshire.....	3, 045	24. 46
Michigan.....	7, 143	27. 51	Other States ¹	5, 264	21. 39

BIRCH

The species of birch covered by this table are as follows:

Yellow birch (*Betula lutea*); the principal species cut in the Lake States, New England, and New York.
 Paper birch (*Betula papyrifera*) and gray birch (*Betula populifolia*); cut to a small extent in New England.
 Sweet (or cherry) birch (*Betula lenta*); cut in West Virginia and Pennsylvania.
 River (or red) birch (*Betula nigra*); cut in the Southern States.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	166, 434	\$31. 92	New Hampshire.....	9, 985	\$31. 97
Wisconsin.....	58, 249	31. 48	New York.....	8, 066	41. 03
Michigan.....	50, 061	30. 54	Vermont.....	7, 803	28. 08
Maine.....	18, 652	34. 13	West Virginia.....	5, 781	41. 50
			Other States ¹	7, 887	26. 12

CEDAR

The species of cedar covered by this table are as follows:

Western red cedar (*Thuja plicata*); cut in Washington, Oregon, and Idaho.
 Port orford cedar (*Chamaecyparis lawsoniana*); cut in Oregon.
 Alaska cedar (*Chamaecyparis nootkatensis*); cut in Washington.
 Incense cedar (*Libocedrus decurrens*); cut in California.
 Northern white cedar (or arborvitae) (*Thuja occidentalis*); cut in the Lake States and the Northeastern States.
 Southern white cedar (or juniper) (*Chamaecyparis thyoides*); cut in the Atlantic Coast States.
 Eastern red cedar (*Juniperus virginiana*) and southern red cedar (*Juniperus lucayana*); cut principally in Tennessee, Florida, and Alabama.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	180, 531	\$29. 33	Oregon.....	52, 451	\$29. 72
Washington.....	82, 313	31. 44	California.....	26, 582	18. 21
			Other States ¹	19, 185	34. 60

¹ See table 10.

TABLE 8.—LUMBER—PRODUCTION, BY KIND OF WOOD, FOR PRINCIPAL STATES: 1935—Continued

CHESTNUT

Castanea dentata is the only species cut for chestnut lumber. Includes several species of chinquapin, such as *Castanea ozarkensis*, cut for ties in Arkansas and possibly in sections farther east.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	\$7,468	\$21.96	Pennsylvania.....	7,977	\$16.81
West Virginia.....	29,892	24.51	Tennessee.....	7,636	23.02
North Carolina.....	19,334	22.16	Kentucky.....	6,260	20.18
Virginia.....	11,242	19.48	Ohio.....	4,250	19.96
			Other States ¹	877	22.57

COTTONWOOD

The species of cottonwood covered by this table are as follows:

Eastern cottonwood (*Populus deltoides*); the species most commonly cut east of the Rocky Mountains and more particularly in the lower Mississippi Valley.

Swamp cottonwood (*Populus heterophylla*); cut in the Mississippi Valley States.

Aspen (or popple) (*Populus tremuloides*); cut in the Lake States and the Northeastern States, and to a small extent in the Rocky Mountains and farther west.

Large-tooth aspen (*Populus grandidentata*); cut in the Lake States and Northeastern States.

Balsam poplar (*Populus balsamifera*); cut in the Lake States and Eastern States.

Black cottonwood (*Populus trichocarpa*); cut in the Pacific Coast States.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	97,866	\$20.62	Oregon.....	5,752	\$14.00
Mississippi.....	28,262	21.74	Missouri.....	4,615	23.73
Minnesota.....	24,870	18.75	Wisconsin.....	4,373	18.77
Louisiana.....	9,906	21.92	Alabama.....	2,451	21.45
Arkansas.....	7,690	21.38	Tennessee.....	2,092	31.73
			Other States ¹	10,055	21.07

CYPRESS

Southern cypress (*Taxodium distichum*) and pond cypress (*Taxodium ascendens*).

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	326,165	\$29.51	North Carolina.....	20,488	\$22.20
Florida.....	117,798	35.92	Tennessee.....	8,619	25.03
Louisiana.....	54,066	30.63	Alabama.....	7,428	24.09
South Carolina.....	31,402	24.73	Missouri.....	7,142	23.90
Mississippi.....	23,166	23.80	Texas.....	7,032	29.30
Arkansas.....	21,826	21.92	Virginia.....	4,890	29.48
Georgia.....	21,021	25.14	Other States ¹	1,287	26.00

DOUGLAS FIR

Pseudotsuga taxifolia is practically the only species cut commercially as Douglas fir.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	4,772,449	\$15.97	Idaho.....	42,376	\$16.49
Washington.....	2,717,390	16.52	Montana.....	34,039	16.81
Oregon.....	1,835,141	14.97	New Mexico.....	19,744	19.38
California.....	95,508	18.22	Other States ¹	8,251	19.89

¹ See table 10.

TABLE 8.—LUMBER—PRODUCTION, BY KIND OF WOOD, FOR PRINCIPAL STATES:
1935—Continued

ELM

The species of elm covered by this table are as follows:

- American (white or soft) elm (*Ulmus americana*); cut in all the States east of the Rocky Mountains.
Slippery (or red) elm (*Ulmus fulva*); cut in the same region as American elm.
Rock elm (*Ulmus racemosa*); cut in the Lake States.
Winged elm (*Ulmus alata*) and cedar elm (*Ulmus crassifolia*); cut in small quantities in the lower Mississippi Valley.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	66, 719	\$25. 03	Mississippi.....	4, 340	\$23. 19
Wisconsin.....	19, 462	27. 00	Ohio.....	3, 539	25. 66
Michigan.....	12, 829	27. 87	Indiana.....	3, 335	25. 88
Louisiana.....	7, 079	23. 66	Tennessee.....	2, 907	29. 19
Arkansas.....	6, 537	19. 01	Other States ¹	6, 691	19. 85

HEMLOCK

The species of hemlock covered by this table are as follows:

- Eastern hemlock (*Tsuga canadensis*); cut in the Lake States, Northeastern States, and the Appalachian region.
Western hemlock (*Tsuga heterophylla*); cut in Washington and Oregon.
Mountain hemlock (*Tsuga mertensiana*); cut in small quantities in Washington, Oregon, and California.
Carolina hemlock (*Tsuga caroliniana*); cut in small quantities in the Appalachian region.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	578, 325	\$18. 53	Pennsylvania.....	33, 967	\$20. 66
Washington.....	184, 911	14. 38	Maine.....	21, 814	19. 69
Wisconsin.....	140, 811	22. 26	West Virginia.....	21, 572	19. 04
Michigan.....	66, 349	21. 13	New York.....	9, 936	25. 00
Oregon.....	64, 204	16. 19	New Hampshire.....	9, 347	20. 38
			Other States ¹	25, 414	19. 62

HICKORY

Several species of hickory are cut, the principal ones being shagbark hickory (*Hicoria ornata*), big-leaf shagbark hickory (*Hicoria laciniata*), pignut hickory (*Hicoria glabra*), bitternut hickory (*Hicoria cordiformis*), and mockernut hickory or white hickory (*Hicoria alba*).

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	22, 264	\$31. 41	Arkansas.....	2, 095	\$21. 59
Mississippi.....	3, 060	43. 22	Tennessee.....	1, 995	31. 05
Kentucky.....	3, 003	18. 11	Alabama.....	1, 516	54. 30
Louisiana.....	2, 390	42. 51	Ohio.....	1, 414	23. 10
Indiana.....	2, 340	26. 64	Other States ¹	4, 451	28. 45

¹ See table 10.

TABLE 8.—LUMBER—PRODUCTION, BY KIND OF WOOD, FOR PRINCIPAL STATES:
1935—Continued

LARCH

The species of larch covered by this table are as follows:

Western larch (*Larix occidentalis*); the species cut in the inland empire and the Pacific Northwest.
Tamarack or larch (*Larix laricina*); cut in the Lake States and New England States.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	97,734	\$16.90	Idaho.....	20,670	\$17.40
Montana.....	56,336	16.79	Washington.....	16,386	15.86
			Other States ¹	4,342	19.84

LODGEPOLE PINE

Pinus contorta is the only species cut as lodgepole pine.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	17,691	\$18.27	Wyoming.....	6,382	\$18.94
Colorado.....	7,058	17.15	Other States ¹	4,251	19.11

MAGNOLIA

The species of magnolia covered by this table are as follows:

Evergreen magnolia (*Magnolia grandiflora*); cut mainly in eastern Texas and Louisiana.Cucumber magnolia (*Magnolia acuminata*), also known as cucumber tree, cut mainly in the southern Appalachian region.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	24,758	\$24.27	Florida.....	4,519	\$22.01
Louisiana.....	9,538	25.27	Mississippi.....	2,759	26.30
Texas.....	6,647	23.44	Other States ¹	1,295	24.71

MAPLE

The species of maple covered by this table are as follows:

Sugar (or hard) maple (*Acer saccharum*); cut principally in the Northern States.Silver (or soft) maple (*Acer saccharinum*); also cut in the Northern States.Red (or soft) maple (*Acer rubrum*); the principal species of maple cut in the Southern States.Bigleaf maple (*Acer macrophyllum*); cut in Oregon and Washington.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	403,542	\$30.60	Indiana.....	15,420	\$37.22
Michigan.....	151,122	28.77	Ohio.....	11,709	26.40
Wisconsin.....	73,179	30.24	Tennessee.....	9,777	31.70
West Virginia.....	27,731	39.99	New Hampshire.....	8,666	40.95
New York.....	20,526	38.76	South Carolina.....	8,018	25.45
Vermont.....	17,854	30.69	Washington.....	5,686	23.95
Pennsylvania.....	17,288	28.20	North Carolina.....	5,265	27.54
			Other States ¹	31,771	26.04

¹ See table 10.

TABLE 8.—LUMBER—PRODUCTION, BY KIND OF WOOD, FOR PRINCIPAL STATES: 1935—Continued

OAK

Commercially the oaks are classed as white and red. The principal commercial species are listed below:

White oaks.—White oak (*Quercus alba*), common throughout the eastern half of the United States; chestnut (or rock) oak (*Quercus montana*), found in the Appalachian region; post oak (*Quercus stellata*) and bur oak (*Quercus macrocarpa*), common throughout the eastern half of the country; overcup oak (*Quercus lyrata*) and swamp chestnut (or basket) oak (*Quercus prinus*), the principal southern white oaks.

Red oaks.—Red oak (*Quercus borealis maxima*), common in the eastern part of the United States; Texas red oak (*Quercus texana*), the principal red oak sawed in the lower Mississippi Valley; pin oak (*Quercus palustris*) found in the Eastern and Central States; scarlet oak (*Quercus coccinea*), the northern and northeastern red oak; black oak (*Quercus velutina*), common in most States east of the Rocky Mountains; willow oak (*Quercus phellos*), cut mainly in the Southern States; shumard red oak (*Quercus shumardii*), common from eastern Texas to Florida and the South Atlantic States, and through Arkansas and Missouri to Indiana and Illinois.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	1, 194, 577	\$27. 15	Alabama.....	53, 533	\$23. 11
Tennessee.....	146, 751	32. 38	Texas.....	47, 718	25. 50
Arkansas.....	146, 383	23. 95	North Carolina.....	43, 284	25. 83
Louisiana.....	128, 265	26. 86	Ohio.....	43, 155	29. 15
Mississippi.....	100, 760	30. 25	Indiana.....	41, 760	30. 81
Kentucky.....	86, 749	25. 79	Missouri.....	28, 154	23. 45
West Virginia.....	86, 298	31. 77	Georgia.....	14, 282	20. 39
Virginia.....	75, 148	23. 09	Illinois.....	13, 289	25. 75
Pennsylvania.....	62, 553	21. 39	South Carolina.....	12, 767	22. 06
			Other States ¹	63, 728	30. 49

PONDEROSA PINE

[Formerly listed as western yellow pine]

The principal species cut as PONDEROSA PINE is *Pinus ponderosa*, with which are included small quantities of Jeffrey pine (*Pinus jeffreyi*) in California, and of Arizona pine (*Pinus arizonica*) in Arizona. Ponderosa pine has been marketed until recently as "Pondosa pine" and also as "California white pine," the latter name applying to the product of California mills.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	2, 527, 553	\$20. 40	New Mexico.....	100, 040	\$20. 25
Oregon.....	1, 028, 258	20. 14	Arizona.....	99, 604	19. 73
California and Nevada ²	679, 543	21. 21	South Dakota.....	37, 769	16. 10
Washington.....	281, 452	19. 56	Colorado.....	25, 138	19. 08
Idaho.....	147, 753	20. 54	Wyoming.....	11, 103	16. 60
Montana.....	114, 454	22. 61	Other States ¹	2, 439	18. 99

RED GUM

Liquidambar styraciflua is the only species cut for red gum lumber. Commercial sap gum is the sapwood of the red gum.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	481, 822	\$22. 33	Texas.....	31, 761	\$19. 52
Louisiana.....	116, 603	23. 74	Georgia.....	29, 360	17. 54
South Carolina.....	76, 308	21. 61	Tennessee.....	28, 797	29. 88
Mississippi.....	59, 390	25. 90	North Carolina.....	15, 759	17. 97
Arkansas.....	57, 109	21. 03	Florida.....	14, 227	21. 26
Alabama.....	34, 918	20. 10	Virginia.....	7, 196	14. 82
			Other States ¹	10, 394	20. 35

¹ See table 10.² Combined to avoid disclosing output of individual mills.

TABLE 8.--LUMBER—PRODUCTION, BY KIND OF WOOD, FOR PRINCIPAL STATES:
1935—Continued

REDWOOD

Redwood (*Sequoia sempervirens*) is the species chiefly cut; bigtree (*Sequoia washingtoniana*) contributes a minor part of the redwood production.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	323, 862	\$29. 77
California.....	323, 862	29. 77

SPRUCE

The species of spruce covered by this table are as follows:

Red spruce (*Picea rubra*); the principal species of spruce cut in the Northeastern States and the Appalachian region.

Sitka spruce (*Picea sitchensis*); the principal species of spruce cut in Oregon and Washington.

Black spruce (*Picea mariana*); cut in small quantities in the Northeastern States.

White spruce (*Picea glauca*); cut in the Lake States, New York, and northern New England.

Engelmann spruce (*Picea engelmannii*); cut in the Rocky Mountain region.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	289, 353	\$22. 09	Vermont.....	21, 218	\$24. 10
Oregon.....	72, 504	20. 97	New Hampshire.....	14, 751	22. 80
Washington.....	55, 464	22. 23	Montana.....	12, 089	20. 75
Maine.....	54, 847	22. 31	Colorado.....	9, 820	18. 29
West Virginia.....	25, 486	23. 80	Other States ¹	23, 174	22. 92

SUGAR PINE

Pinus lambertiana, the only species cut as sugar pine, is found commercially only in California and southern Oregon.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	192, 829	\$30. 03
California.....	161, 230	29. 37
Oregon.....	31, 599	33. 40

SYCAMORE

Platanus occidentalis is the only species cut as sycamore.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	18, 624	\$22. 80	Alabama.....	1, 844	\$21. 77
Mississippi.....	4, 766	20. 92	Louisiana.....	1, 516	21. 42
Tennessee.....	3, 541	31. 73	South Carolina.....	1, 279	19. 92
Indiana.....	1, 960	17. 79	Arkansas.....	1, 015	19. 52
			Other States ¹	2, 703	22. 12

¹ See table 10.

TABLE 8.—LUMBER—PRODUCTION, BY KIND OF WOOD, FOR PRINCIPAL STATES:
1935—Continued

TUPELO

The species of tupelo covered by this table are as follows:

Tupelo gum (or cotton gum) (*Nyssa aquatica*): cut in the Gulf States.

Black gum (or pepperidge) (*Nyssa sylvatica*): cut in the Atlantic and Central States and sold both as tupelo and as black gum.

Swamp black gum (*Nyssa biflora*): cut to a small extent in the South Atlantic States.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	191, 660	\$19. 65	Texas.....	11, 979	\$21. 24
Louisiana.....	71, 919	19. 01	Alabama.....	11, 816	18. 18
South Carolina.....	21, 451	18. 84	Georgia.....	8, 225	18. 16
Florida.....	18, 442	21. 42	Arkansas.....	7, 003	19. 55
North Carolina.....	16, 273	19. 71	Virginia.....	4, 987	19. 93
Mississippi.....	15, 877	21. 78	Other States ¹	3, 598	21. 47

WALNUT

Black walnut (*Juglans nigra*) is the only species cut for walnut lumber.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	23, 198	\$75. 64	West Virginia.....	2, 036	\$43. 88
Missouri.....	3, 576	94. 87	Kentucky.....	1, 941	63. 54
Indiana.....	3, 063	67. 44	Tennessee.....	1, 916	61. 50
Ohio.....	2, 819	94. 55	Other States ¹	7, 847	77. 96

WHITE FIR

The following species are marketed as white fir:

White fir (*Abies concolor*): cut only in the West.

Lowland white fir (*Abies grandis*): cut mainly in Idaho and Montana.

Silver fir (*Abies amabilis*): cut chiefly in Washington.

Red fir (*Abies magnifica*): cut chiefly in California.

Alpine fir (*Abies lasiocarpa*): cut chiefly in the central and northern Rocky Mountain States and in the Cascade Mountain region.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	107, 453	\$16. 17	Oregon.....	13, 076	\$14. 29
California.....	61, 016	16. 36	Washington.....	11, 214	13. 88
Idaho.....	15, 617	17. 87	New Mexico.....	5, 257	18. 03
			Other States ¹	1, 273	17. 66

¹ See table 10.

TABLE 8.—LUMBER—PRODUCTION, BY KIND OF WOOD, FOR PRINCIPAL STATES:
1935—Continued

WHITE PINE

The species of white pine covered by this table are as follows:

Eastern white pine (*Pinus strobus*); cut in the Lake States, the Northeastern States, and the Appalachian region.

Norway (or red) pine (*Pinus resinosa*); cut in the Lake States and marketed to a large extent with white pine, although botanically a yellow pine.

Jack (or Hudson Bay) pine (*Pinus banksiana*); cut in the Lake States.

Western white pine (*Pinus monticola*); cut in Idaho, Montana, Washington, and Oregon.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	854,266	\$25.66	Minnesota.....	64,895	\$24.67
Idaho.....	374,376	27.46	Massachusetts.....	38,183	20.97
Maine.....	106,294	22.75	Wisconsin.....	28,918	34.15
New Hampshire.....	78,521	17.35	Michigan.....	15,797	35.25
Washington.....	74,414	29.43	Montana.....	15,384	27.01
			Other States ¹	57,484	22.79

YELLOW PINE

The species of yellow pine covered by this table are as follows:

Longleaf pine (*Pinus palustris*); also known as Georgia pine and hard pine and exported as pitch pine; cut mainly in the Gulf States.

Loblolly pine (*Pinus taeda*); also called shortleaf, North Carolina, old field, rosemary, and Virginia pine; cut mainly in Virginia, North Carolina, South Carolina, Arkansas, and Texas.

Shortleaf pine (*Pinus echinata*); cut mainly in Virginia, North Carolina, South Carolina, Arkansas, Missouri, Louisiana, and Mississippi.

Sand pine (*Pinus clausa*); Florida and Alabama.

Slash pine (*Pinus caribaea*); cut mainly in Georgia and the Gulf States east of the Mississippi River.

Virginia pine (*Pinus virginiana*); also called Jersey pine and spruce pine; cut in the Middle Atlantic States.

Pitch pine (*Pinus rigida*); Middle Atlantic and Northern States.

Spruce pine (*Pinus glabra*); Georgia and Gulf States.

Pond pine (*Pinus rigida serotina*); South Atlantic States.

Mountain pine (*Pinus pungens*); Appalachian Mountains.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	5,960,246	\$18.24	North Carolina.....	540,812	\$16.38
Mississippi.....	815,972	19.57	Florida.....	437,174	24.01
Alabama.....	808,721	16.44	South Carolina.....	367,356	17.16
Texas.....	630,801	19.34	Virginia.....	302,627	14.34
Louisiana.....	623,932	21.63	Oklahoma.....	118,970	22.69
Georgia.....	610,616	14.19	Tennessee.....	63,068	15.33
Arkansas.....	589,807	17.87	Other States ¹	50,390	17.18

YELLOW POPLAR

Yellow poplar (*Liriodendron tulipifera*) is the species cut for poplar lumber. With it are cut and marketed small quantities of evergreen magnolia (*Magnolia grandifolia*) in eastern Texas and Louisiana, and cucumber magnolia (*Magnolia acuminata*) in the southern Appalachian region.

STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill	STATE	Quantity (M feet, b. m.)	Average value, M feet, f. o. b. mill
United States.....	181,703	\$28.65	Kentucky.....	19,332	\$29.54
Tennessee.....	27,023	32.25	Mississippi.....	18,095	29.03
West Virginia.....	24,702	34.25	North Carolina.....	12,284	24.44
Alabama.....	22,444	24.06	Florida.....	4,477	24.32
Virginia.....	19,941	27.14	Louisiana.....	3,591	24.57
Georgia.....	19,349	26.71	Indiana.....	3,052	28.96
			Other States ¹	7,413	28.01

¹ See table 10.

TABLE 9.—LUMBER—PRODUCTION DURING YEAR AND STOCKS ON HAND, JAN. 1 AND DEC. 31 (SOFTWOOD AND HARDWOOD), BY STATES: 1935

STATE	AGGREGATE STOCKS REPORTED BY ACTIVE MILLS (M feet, b. m.)				SOFTWOODS				HARDWOODS				
	Aggregate cut (M feet, b. m.)	CUT OF MILLS REPORTING STOCKS		CUT OF MILLS REPORTING STOCKS		Total cut	Cut of mills reporting stocks		Total cut	Cut of mills reporting stocks		Stocks on hand (M feet, b. m.)	Dec. 31
		M feet, b. m.	Per-cent of aggregate	M feet, b. m.	Per-cent of total		M feet, b. m.	Per-cent of total		M feet, b. m.	Per-cent of total		
United States.....	19,538,731	17,217,496	88.1	6,347,077	6,497,013	16,247,981	14,497,148	89.2	4,674,788	4,781,319	2,730,348	1,672,289	1,715,694
Alabama.....	952,107	765,449	80.4	232,087	215,353	816,014	663,027	80.0	106,426	102,925	135,493	65,641	62,428
Arizona.....	100,001	99,794	99.8	52,819	50,540	100,001	99,794	99.8	52,818	50,338	50,311	1	1
Arkansas.....	855,938	753,200	88.0	276,982	284,991	611,964	550,063	89.9	150,519	170,008	203,137	126,463	108,983
California and Nevada 1.....	1,355,713	1,335,713	98.5	648,957	757,746	1,355,713	1,335,713	98.5	648,957	757,746	15	15	15
Colorado.....	47,557	46,337	97.4	7,023	7,325	47,487	46,322	97.5	7,023	7,129	70	70	70
Connecticut.....	8,473	5,817	68.7	699	521	3,473	1,972	56.8	548	366	5,000	3,845	151
Delaware.....	6,995	5,156	73.8	84	138	5,040	730	14.5	2	3	1,046	1,426	82
Florida.....	609,701	546,530	90.6	281,896	263,565	555,251	496,225	89.4	250,448	234,882	54,450	31,448	28,683
Georgia.....	713,878	453,343	63.5	67,129	94,593	632,242	399,777	63.2	72,449	70,437	33,569	65.6	24,136
Idaho.....	600,212	603,657	99.4	307,749	347,394	609,075	605,582	99.4	307,749	347,394	137	75	54.7
Illinois.....	18,799	13,224	70.3	3,691	4,439	59	59	76.9	139	127	18,740	3,492	4,312
Indiana.....	85,773	61,435	71.6	26,691	23,384	13	10	76.9	20	238	85,780	26,649	23,146
Iowa.....	2,505	1,772	70.7	1,112	1,016	67	67	100.0	5	20	2,505	1,092	996
Kansas and Nebraska 1.....	5,024	4,665	92.9	716	1,286	4,665	4,665	100.0	5	5	4,957	711	1,281
Kentucky.....	164,353	84,980	51.7	47,989	55,549	26,697	10,328	38.7	5,461	4,575	137,856	42,528	50,974
Louisiana.....	1,065,334	1,012,722	95.1	482,701	493,490	677,998	656,143	96.8	200,006	195,647	387,386	282,095	297,843
Maine.....	217,461	167,692	77.1	80,736	56,580	194,618	139,403	81.9	73,210	80,307	22,843	7,526	6,523
Maryland.....	29,463	9,384	41.8	1,739	1,711	4,904	4,904	44.0	801	801	11,311	36.6	782
Massachusetts.....	56,227	25,392	45.0	13,857	15,686	45,129	20,659	45.8	10,004	10,432	11,003	5,583	5,254
Michigan.....	332,700	311,469	93.6	178,580	166,861	85,593	78,480	91.7	52,495	53,190	247,107	126,055	113,671
Minnesota.....	108,160	88,314	81.7	92,904	74,541	70,248	58,525	83.3	82,566	66,591	37,912	29,789	7,950
Mississippi.....	1,102,352	891,564	80.9	293,403	322,885	840,097	634,676	75.6	161,259	164,170	293,345	132,144	158,715
Missouri.....	63,574	42,524	66.9	16,873	18,219	21,513	12,457	58.0	1,321	3,265	42,061	15,552	15,261
Montana.....	233,633	223,592	95.7	106,005	124,516	233,575	223,592	95.7	106,005	124,219	30,049	71.4	71.4
New Hampshire.....	127,138	84,543	66.5	47,004	41,670	102,656	70,169	68.4	37,700	34,899	14,374	9,304	7,271

LUMBER AND TIMBER PRODUCTS

	8, 123	4, 675	57. 6	20, 208	18, 091	1, 396	784	56. 2	2	6, 727	3, 891	57. 8	20, 208	18, 089
New Jersey.....	126, 394	126, 043	99. 7	42, 347	41, 735	126, 394	126, 043	99. 7	41, 735	47, 633	35, 981	75. 5	23, 520	23, 217
New Mexico.....	68, 750	49, 004	71. 3	29, 764	30, 529	21, 117	13, 023	61. 7	7, 312	117, 456	95, 844	81. 6	50, 971	55, 858
New York.....	684, 685	515, 978	75. 4	137, 500	134, 683	567, 229	420, 134	74. 1	78, 825	82, 221	48, 190	58. 6	12, 843	13, 839
North Carolina.....	82, 546	48, 416	58. 7	14, 420	14, 420	825	226	69. 5	30, 794	7, 354	6, 714	91. 3	6, 123	5, 276
Ohio.....	126, 326	110, 218	84. 4	38, 122	36, 070	118, 972	112, 504	94. 6	30, 794	19, 577	19, 107	97. 6	2, 558	1, 485
Oklahoma.....	3, 145, 237	3, 003, 676	93. 5	703, 789	731, 678	3, 123, 560	2, 984, 479	93. 5	730, 193	114, 444	79, 112	69. 1	25, 344	23, 869
Oregon.....	137, 830	116, 111	72. 9	40, 396	44, 183	43, 386	35, 969	83. 0	20, 314	131, 761	128, 275	97. 4	90, 763	94, 292
Pennsylvania.....	3, 701					3, 084			90, 213					
Rhode Island.....	532, 022	435, 430	81. 8	182, 143	184, 505	400, 261	307, 155	76. 7	91, 380					
South Carolina.....														
South Dakota.....	37, 769	36, 825	97. 5	18, 423	21, 153	37, 769	36, 825	97. 5	21, 153					
Tennessee.....	337, 008	243, 762	72. 3	149, 461	171, 284	85, 332	50, 439	59. 1	24, 886	251, 676	193, 323	76. 8	133, 502	146, 396
Texas.....	744, 053	652, 183	87. 7	226, 348	228, 535	637, 939	552, 031	86. 5	145, 000	106, 114	100, 132	94. 4	76, 772	83, 535
Utah.....	8, 543	6, 903	80. 8	353	392	8, 525	6, 903	81. 0	392	33, 805	19, 786	58. 5	7, 360	8, 624
Vermont.....	72, 811	43, 220	59. 4	19, 998	20, 371	39, 006	23, 434	60. 1	11, 747					
Virginia.....	442, 126	341, 095	77. 1	115, 403	115, 274	314, 932	239, 466	76. 0	59, 031	127, 194	101, 629	79. 9	52, 093	56, 243
Washington.....	3, 452, 527	3, 268, 406	94. 7	915, 110	832, 161	3, 423, 544	3, 246, 322	94. 8	829, 863	28, 983	22, 084	76. 2	1, 725	2, 298
West Virginia.....	252, 974	220, 801	87. 3	147, 803	148, 916	51, 917	45, 647	87. 9	19, 771	201, 057	175, 154	87. 1	121, 068	129, 149
Wisconsin.....	366, 918	326, 339	88. 9	231, 866	258, 521	171, 890	153, 969	89. 6	123, 712	195, 028	172, 370	88. 4	134, 412	134, 309
Wyoming.....	23, 247	23, 197	99. 8	7, 495	10, 254	23, 217	23, 167	99. 8	10, 224	30	30	100. 0	44	30

1 Combined to avoid disclosing output of individual mills.

North Carolina.....	737	684,855	2,442	20,488	1,125	138	2,224	540,812
Ohio.....	294	82,546			94		231	
Oklahoma.....	50	126,326						118,970
Oregon.....	523	3,145,237	52,451	2	64,204	72,504	6,871	
Pennsylvania.....	358	157,830			33,967	204	8,509	706
Rhode Island.....	9	3,701			30		3,054	
South Carolina.....	392	532,022	1,503	31,402				367,556
South Dakota.....	34	37,769						
Tennessee.....	501	337,008	3,577	8,619	3,167		6,901	63,068
Texas.....	195	744,053	106	7,032		2,414	60	630,801
Utah.....	67	8,543	2		1,945	21,218	8,305	
Vermont.....	162	72,811	2,778	14	6,688			
Virginia.....	697	442,126	2,776	4,800	1,684	143	2,812	302,627
Washington.....	576	3,423,544	82,313		184,911	55,464	74,414	
West Virginia.....	183	252,974			21,572	25,749	3,495	1,364
Wisconsin.....	203	366,918	701		140,811		28,918	
Wyoming.....	64	23,247			1,903	3,796	33	
						6,382		
						11,103		

For footnotes, see end of table.

TABLE 10.—LUMBER, LATH, AND SHINGLES—PRODUCTION OF LUMBER, BY KIND AND BY STATES, AND OF LATH AND SHINGLES, BY STATES: 1935—Continued

[See note at head of this table]

STATE	HARDWOOD LUMBER SAWED (M FEET, B. M.)													Lath (thous- sands)	Shingles (squares)							
	Total	Alder	Ash	Bass- wood	Beech	Birch	Chest- nut	Col- ton- wood	Elm	Hick- ory	Mag- nolia	Maple	Oak			Red gum	Syc- more	Tu- pelo	Wal- nut	Yellow poplar	All other	
United States.....	3,280,760	32,637	89,625	72,102	94,291	166,484	87,468	97,866	60,719	22,264	94,768	403,542	1,194,677	481,822	18,624	191,660	23,198	181,708	41,610	620,038	4,416,709	
Alabama.....	135,403		3,143	158	911		15	2,451	816	1,516	1,024	472	53,633	34,918	1,844	11,816	215	22,444	203	19,268	7,063	
Arizona.....																					5,066	257
Arkansas.....	243,974		7,769		1,121		7,680	6,537	2,095			3,071	146,883	57,106	1,015	7,063	406	130	3,463	9,237	7,141	
California and Ne- vada 1.....																						
Colorado.....	70		3				67														24,569	107,404
Connecticut.....	5,000		86		39	223	59	15	10												430	
Delaware.....	1,946																					
Florida.....	64,480		4,746	312	20		620	139	83	4,519		11	1,778	117								
Georgia.....	81,655		6,960	16	10		183	368	60	271		2,565	14,282	29,360	286	18,442	4,477	2,826	40	55,174	49,447	
Idaho.....	137						137														5,540	17,153
Illinois.....	18,740		91	22	115	2	1,272	408	159		1,758	13,389	573	203	1	482	230	135		45,492	25,638	
Indiana.....	85,760		1,323	1,612	8,501	100	157	1,246	3,335	2,340	15,420	41,769	1,540	1,960	204	3,063	3,052	146	600			
Iowa.....	2,505		23	128	2		809	338	2		232	253			3	707						
Kansas and Ne- braska 2.....	4,957		5				167	75					255		20							
Kentucky.....	137,656		1,517	1,915	6,727	324	6,260	143	482	3,063	4,046	86,749	3,737	812	164	1,941	19,332	504	1,010			
Louisiana.....	387,386		15,744	29	5,384		9,905	7,079	2,390	9,538	1,840	128,265	116,603	1,516	71,919	12	3,591	13,570		12,616	14,446	
Maine.....	22,843		437	372	87	18,652	168	9	6		1,362	1,736								12,823	55,957	
Maryland.....	11,319		262	74	133	210	337	11	5	44	461	7,250	888	20		2	1,610	12		30		
Massachusetts.....	11,098		319	173	740	1,372	100	7	1	36	2,593	3,760			2							
Michigan.....	247,107		3,204	15,947	7,148	50,061	1,377	12,829	107		151,122	5,011				70	8	1,927	8	7,399	9,111	
Minnesota.....	97,912		536	1,428		1,911	24,670	1,311			203	7,848										
Mississippi.....	262,349		6,557	605	8,523	85	26,292	4,340	3,080	2,759	3,461	100,760	39,380	4,766	15,877	5	18,065	7,371		18,270	1,220	
Missouri.....	42,061		1,170		10		4,615	229	480		1,501	23,154	1,465	277	1,182	3,576	384	18		32,233	3,686	
Montana.....	58						58				8,666	2,340								10,416	20	
New Hampshire.....	24,562		283	154	3,045	9,985	28	1													45	
New Jersey.....			35		20		10				30	5,436	91	5		10	45	1,000		351	949	
New Mexico.....																						
New York.....	47,633		2,065	3,114	6,533	8,066	110	7	372	16	20,526	4,817								11,319	56	
																					11	563

North Carolina.....	117,456 ¹	1,792	1,842	161	687	19,334	498	5,265	43,284	15,769	8	16,273	108	12,284	1611	2,852	20,947
Ohio.....	82,221	1,245	907	10,368	116	4,250	1,414	11,709	43,155	261	284	25	2,819	1,070	31	50	---
Oklahoma.....	7,354	42	---	---	---	---	307	115	5,482	1,225	92	20	---	---	65	3,212	---
Oregon.....	19,677	10,734	---	---	---	---	5	3,190	1	---	---	---	---	---	---	---	---
Pennsylvania.....	114,444	3,315	1,502	13,780	2,083	7,977	496	17,288	62,553	214	8	---	100	2,150	2,325	1,699	452,457
Rhode Island.....	617	---	---	---	29	---	---	10	578	---	---	---	---	---	---	---	---
South Carolina.....	131,761	8,219	---	---	---	---	670	8,018	12,767	76,308	1,276	21,451	1	1,138	35	920	18,263
South Dakota.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tennessee.....	251,676	6,255	3,085	4,922	221	7,636	2,907	9,777	146,751	28,797	3,541	1,349	1,916	27,023	3,409	3,353	505
Texas.....	106,114	5,818	44	399	---	---	463	21	47,718	31,761	526	11,979	10	---	15	16,898	4,690
Utah.....	18	---	---	---	---	---	18	6,617	---	---	---	---	---	---	---	---	---
Vermont.....	33,803	1,620	1,033	4,099	7,803	---	282	17,384	921	---	---	---	---	---	2	353	517
Virginia.....	127,194	632	1,571	947	100	11,242	40	3,311	75,148	7,196	73	4,987	779	19,941	471	6,740	65
Washington.....	28,983	47	---	---	427	---	628	5,086	119	---	---	---	---	---	277	153,324	3,556,916
West Virginia.....	201,057	2,755	8,713	9,477	5,781	29,892	315	27,731	86,298	283	84	648	2,036	24,702	1,840	3,916	---
Wisconsin.....	196,028	2,800	27,362	543	95,249	---	19,462	73,179	9,007	---	---	---	---	---	53	19,629	61,417
Wyoming.....	30	---	---	---	30	---	---	---	---	---	---	---	---	---	---	952	40

¹ The difference between the numbers of mills shown in this table and in table 6 is due to the inclusion in this table and the exclusion from table 6 of data for 228 mills engaged exclusively in sawing lath or shingles.

² Combined to avoid disclosing data for individual mills.

TABLE 11.—VENEERS—WOOD CONSUMED IN MANUFACTURE, BY STATES: 1935, 1933, 1931, AND 1929

	QUANTITY (M FEET, LOG SCALE)			
	1935	1933	1931	1929
United States.....	829,080	700,234	696,350	1,112,910
Alabama.....	25,151	26,918	24,364	43,221
Arkansas.....	27,325	24,998	36,001	63,363
California.....	26,832	16,651	14,463	28,698
Delaware.....	5,009	2,122	2,428	(¹)
Florida.....	62,667	67,097	56,657	96,199
Georgia.....	38,216	34,911	29,762	40,388
Illinois.....	12,982	6,546	8,539	15,821
Indiana.....	22,171	14,182	17,147	30,779
Kentucky.....	11,111	10,281	11,121	21,437
Louisiana.....	24,596	22,898	31,030	47,617
Maine.....	7,167	7,079	6,477	(¹)
Maryland.....	4,405	1,690	2,628	5,092
Michigan.....	14,657	9,736	11,316	20,434
Mississippi.....	49,667	48,318	43,798	75,427
Missouri.....	6,479	5,775	7,427	16,602
New Jersey.....	6,932	10,099	8,110	5,635
New York.....	14,858	15,336	18,723	37,377
North Carolina.....	66,116	51,216	52,206	96,417
Ohio.....	6,470	6,196	8,323	11,546
Oregon.....	41,510	32,616	23,978	55,644
Pennsylvania.....	2,014	1,923	4,826	7,081
South Carolina.....	46,179	24,627	28,194	48,960
Tennessee.....	14,643	17,743	15,642	24,710
Texas.....	19,100	22,980	30,965	32,488
Vermont.....	11,386	7,686	7,918	19,056
Virginia.....	32,309	34,122	32,314	24,688
Washington.....	201,477	159,690	135,370	181,826
West Virginia.....	2,750	1,564	(¹)	4,264
Wisconsin.....	19,229	10,573	21,160	38,724
Other States ²	5,672	4,311	5,403	19,416

¹ Included in figure for "Other States."

² For 1935: Colorado, Iowa, Kansas, Massachusetts, Minnesota, Nebraska, New Hampshire, Oklahoma, and South Dakota. For 1933: Colorado, Iowa, Kansas, Massachusetts, Minnesota, and New Hampshire. For 1931: Colorado, Iowa, Kansas, Massachusetts, Minnesota, Nebraska, New Hampshire, and West Virginia. For 1929: Colorado, Delaware, Iowa, Kansas, Maine, Massachusetts, Minnesota, Nebraska, and New Hampshire.

TABLE 12.—WOOD CONSUMED (SOFTWOOD AND HARDWOOD) AND VENEERS PRODUCED (FACE AND OTHER), FOR THE UNITED STATES: 1935, 1933, 1931, AND 1929

	Year	Total quantity of logs used (M feet, log scale)	LOGS USED AND VENEERS PRODUCED—BOTH ITEMS REPORTED						LOGS USED—VENEER PRODUCTION NOT REPORTED (M feet, log scale)		
			Logs used (M feet, log scale)			Veneers produced (M square feet)			For face veneer	For other veneer	Not specified
			For face veneer	For other veneer	Not specified	Face	Other	Not specified			
Aggregate...	1935	829,080	29,881	342,301	70,295	459,966	2,782,561	648,298	14,004	365,635	6,964
	1933	700,234	97,782	237,884	22,670	891,672	1,993,928	179,510	22,071	319,827	-----
	1931	696,350	91,385	230,287	20,520	938,855	1,839,233	153,581	23,788	324,436	5,984
	1929	1,112,910	(1)	(1)	709,514	(1)	(1)	5,664,031	(1)	(1)	403,396
Softwood, domestic	1935	340,510	959	194,140	63,573	9,260	1,331,225	550,874	118	80,982	738
	1933	282,484	71,858	111,353	17,496	508,935	852,140	120,000	378	81,394	-----
	1931	228,520	55,261	103,299	12,983	445,828	746,709	90,099	930	56,029	18
	1929	393,622	(1)	(1)	295,568	(1)	(1)	1,892,638	(1)	(1)	98,054
Hardwood, total...	1935	483,397	28,746	148,043	6,722	448,672	1,450,139	97,424	13,886	279,774	6,226
	1933	399,693	25,924	126,526	5,174	382,737	1,141,738	59,510	21,693	220,376	-----
	1931	463,239	35,929	126,483	7,537	490,849	1,089,558	63,482	22,358	264,906	5,516
	1929	706,590	(1)	(1)	412,420	(1)	(1)	3,756,143	(1)	(1)	294,170
Domestic.....	1935	475,143	24,301	148,043	6,722	351,043	1,450,139	97,424	10,077	279,774	6,226
	1933	396,686	23,210	126,523	5,174	331,859	1,141,773	59,510	21,683	220,076	-----
	1931	455,694	32,380	124,653	7,537	418,090	1,052,440	63,482	21,084	264,524	5,516
	1929	688,924	(1)	(1)	399,496	(1)	(1)	3,473,439	(1)	(1)	289,428
Imported.....	1935	8,254	4,445	-----	-----	97,629	-----	-----	3,809	-----	-----
	1933	3,027	2,714	3	-----	50,878	15	-----	10	300	-----
	1931	7,535	3,549	1,830	-----	72,759	37,118	-----	1,774	382	-----
	1929	17,666	(1)	(1)	12,924	(1)	(1)	282,704	(1)	(1)	4,742
Wood not specified.	1935	5,173	176	118	-----	2,044	1,197	-----	-----	4,879	-----
	1933	18,057	-----	-----	-----	-----	-----	-----	-----	18,057	-----
	1931	4,601	195	505	-----	2,208	2,966	-----	-----	3,501	400
	1929	12,698	(1)	(1)	1,526	(1)	(1)	15,250	(1)	(1)	11,172

¹No data.

TABLE 13.—WOOD CONSUMED, BY KIND, AND VENEERS PRODUCED (FACE AND OTHER), FOR THE UNITED STATES: 1935

	LOGS USED AND VENEERS PRODUCED—BOTH ITEMS REPORTED						LOGS USED—VENEER PRODUCTION NOT REPORTED (M feet, log scale)			
	Total quantity of logs used (M feet, log scale)	Logs used (M feet, log scale)			Veneers produced (M square feet)			For face veneer	For other veneer	Not specified
		For face veneer	For other veneer	Not specified	Face	Other	Not specified			
Aggregate.....	829,080	29,881	342,301	70,295	459,966	2,782,561	648,295	14,004	365,635	6,904
Softwood, domestic, total.....	340,510	959	194,140	63,573	9,250	1,331,225	550,874	118	80,982	738
Cedar.....	3,540	608	872	-----	6,840	9,509	-----	-----	2,060	-----
Cypress.....	1,738	2	686	-----	31	8,833	-----	-----	1,041	9
Douglas fir.....	201,248	-----	148,128	52,861	-----	1,023,401	431,204	-----	259	-----
Hemlock.....	3,361	-----	2,681	-----	-----	26,110	-----	-----	680	-----
Ponderosa pine.....	13,100	322	1,539	10,697	2,169	9,635	119,305	-----	542	-----
Spruce.....	45,512	-----	27,711	-----	-----	176,621	-----	118	17,683	-----
Yellow pine.....	71,152	-----	12,449	-----	-----	76,601	-----	-----	57,974	720
Other.....	859	27	74	15	210	455	365	-----	743	-----
Hardwood, total.....	483,397	28,746	148,043	6,722	448,672	1,450,139	97,424	13,886	279,774	6,226
Domestic, total.....	475,143	24,301	148,043	6,722	351,043	1,450,139	97,424	10,077	279,774	6,226
Basswood.....	7,391	780	2,682	1,214	6,883	24,469	17,556	46	2,664	5
Beech.....	10,961	-----	2,286	20	-----	46,948	360	-----	8,650	5
Birch.....	23,859	3,290	13,146	2,004	28,295	170,055	32,426	234	5,170	15
Cottonwood.....	38,851	71	9,181	1	1,394	118,566	25	-----	29,489	109
Elm.....	13,195	143	3,638	429	784	61,330	3,597	4	8,968	13
Magnolia.....	561	-----	5	-----	-----	30	-----	30	96	430
Maple.....	26,279	2,938	8,647	1,203	32,145	173,220	18,770	245	13,041	205
Oak.....	7,867	2,945	1,478	372	33,819	16,649	3,663	361	2,613	98
Red gum.....	221,756	2,487	62,192	1,103	16,774	458,304	15,067	4,445	147,098	3,831
Sycamore.....	4,187	33	1,346	-----	233	14,725	-----	-----	2,488	320
Tupelo.....	64,514	313	21,477	-----	2,975	147,769	-----	1,383	40,754	587
Walnut.....	12,754	9,400	79	280	207,200	1,115	4,535	2,965	30	-----
Yellow poplar.....	36,088	578	21,339	-----	9,768	210,139	-----	10	13,571	590
Other.....	6,880	1,323	547	96	10,773	6,820	1,425	354	4,542	18
Imported, total.....	8,254	4,445	-----	-----	97,629	-----	-----	3,809	-----	-----
Mahogany.....	4,627	2,764	-----	-----	62,610	-----	-----	1,863	-----	-----
Spanish cedar.....	920	24	-----	-----	1,224	-----	-----	896	-----	-----
Other.....	2,707	1,657	-----	-----	33,795	-----	-----	1,050	-----	-----
Wood not specified.....	5,173	176	118	-----	2,044	1,197	-----	-----	4,879	-----

TABLE 14.—SLACK STAVES, HEADING, AND HOOPS—PRODUCTION, BY KIND OF WOOD, FOR THE UNITED STATES: 1935, 1933, 1931, AND 1929

	1935	1933	1931	1929
Staves, thousands, aggregate.....	439,970	426,585	537,177	1,039,450
Softwood, total.....	207,912	266,748	267,405	462,316
Douglas fir.....	18,574	(1)	20,799	35,109
Pine.....	137,114		198,125	354,520
Spruce.....	49,608		41,788	54,355
Other softwoods.....	2,616		6,693	18,332
Hardwood, total.....	232,058	159,837	269,046	563,094
Ash.....	12,214	(1)	21,710	63,880
Cottonwood.....	12,208		22,884	41,351
Elm.....	31,682		36,366	88,398
Red gum.....	149,282		160,375	314,890
Oak.....	2,800	(1)	6,394	10,626
Hackberry.....	14,148		3,945	44,549
Yellow poplar.....	4,745		5,034	
Sycamore.....	1,175		550	
Other hardwoods.....	3,804		11,788	
Undistributed.....				726
Heading, thousand sets, aggregate.....	35,992	37,461	43,375	72,591
Softwood, total.....	29,654	32,898	35,405	56,254
Douglas fir.....	957	(1)	627	2,315
Pine.....	25,847		28,271	46,677
Spruce.....	2,807		5,864	5,624
Other softwoods.....	43		643	1,638
Hardwood, total.....	6,338	4,563	7,225	15,392
Cottonwood.....	1,187	(1)	927	2,248
Oak.....	201		583	(1)
Red gum.....	3,735		3,721	5,073
Other hardwoods.....	1,215		1,994	8,071
Undistributed.....			745	945
Hoops, thousands, aggregate.....	51,818	61,161	94,311	133,054
Softwood, total.....	518		1,111	410
Pine.....	518		7	328
Other softwoods.....			1,104	82
Hardwood, total.....	51,300	61,161	93,200	132,521
Elm.....	51,139	(1)	92,621	131,628
Other hardwoods.....	161		579	893
Undistributed.....				123

¹No data.

TABLE 15.—TIGHT STAVES AND HEADING—PRODUCTION (SOFTWOOD AND HARDWOOD), BY CLASS, FOR THE UNITED STATES: 1935, 1933, 1931, AND 1929

YEAR	Total	Whisky, spirit, and wine	Beer and ale	Oil, tierce, and pork	All other, and not specified
Staves (thousands), total:					
1935.....	221,619	60,887	3,467	83,503	73,762
1933.....	154,575	17,806	9,896	80,099	46,774
1931.....	204,624	11,262	-----	93,621	99,741
1929.....	357,353	16,292	-----	185,801	155,260
Softwood:					
1935.....	68,313	29	-----	7,305	60,979
1933.....	38,819	90	-----	13,452	25,277
1931.....	102,087	444	-----	20,796	80,847
1929.....	179,122	1,227	-----	62,726	115,169
Hardwood:					
1935.....	¹ 153,306	60,858	3,467	² 76,198	³ 12,783
1933.....	115,756	17,716	9,896	66,647	21,497
1931.....	102,537	10,818	-----	72,825	18,894
1929.....	178,231	15,065	-----	123,075	40,091
Heading (thousand sets), total:					
1935.....	15,259	4,371	145	4,865	5,878
1933.....	13,031	1,247	1,409	4,664	5,711
1931.....	20,090	989	-----	7,662	11,439
1929.....	30,329	1,381	-----	21,195	7,753
Softwood:					
1935.....	5,668	1	-----	452	5,215
1933.....	3,257	7	-----	546	2,704
1931.....	12,041	125	-----	1,167	10,749
1929.....	7,224	94	-----	3,072	4,058
Hardwood:					
1935.....	⁴ 9,591	4,370	145	⁵ 4,413	⁶ 663
1933.....	9,774	1,240	1,409	4,118	3,007
1931.....	8,049	864	-----	6,495	690
1929.....	23,105	1,287	-----	18,123	3,695

¹ Includes 2,761 thousand staves, kind of wood not specified.

² Includes 487 thousand staves, kind of wood not specified.

³ Includes 2,274 thousand staves, kind of wood not specified.

⁴ Includes 181 thousand sets of heading, kind of wood not specified.

⁵ Includes 53 thousand sets of heading, kind of wood not specified.

⁶ Includes 128 thousand sets of heading, kind of wood not specified.

ALASKA

Lumber production in Alaska.—The preceding tables do not include statistics for any of the outlying possessions. Statistics on the production of lumber and shingles and stocks of lumber on hand in Alaska are presented in the following tables:

TABLE 16.—PRODUCTION OF LUMBER AND SHINGLES IN ALASKA: 1935, 1934, AND 1933

YEAR	Number of mills	LUMBER SAWED (M feet, b. m.)				Shingles (squares)
		Total	Spruce	Hemlock	Cedar	
1935.....	20	23,499	14,769	8,069	1,661	2,182
1934.....	19	20,166	12,548	6,909	709	2,000
1933.....	20	12,901	10,292	1,523	1,086	1,380

¹ Includes 2 M feet lodgepole pine and 1 M feet white pine.

TABLE 17.—PRODUCTION OF LUMBER, AND STOCKS ON HAND JANUARY 1 AND DECEMBER 31, FOR ALASKA: 1935

	Quantity (M feet, b. m.)
Total production.....	23,499
Production of mills reporting stocks.....	22,990
Percent of total cut.....	97.8
Stocks on hand (softwood):	
January 1.....	7,604
December 31.....	7,346

MIRROR AND PICTURE FRAMES

[A preliminary report for this industry was issued under date of Dec. 8, 1935]

Description of the industry.—This industry embraces establishments engaged principally in the manufacture of finished picture-frame moldings and of frames, chiefly of wood, for mirrors, pictures, photographs, and medallions; and in the framing of pictures for the trade. (Establishments engaged in framing pictures, etc., to individual order are not included.)

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	169	138	160	178	22.5	—5.1
Proprietors and firm members.....	91	52	(1)	99	(*)	(*)
Salaried personnel, total ²	522	(3)	(1)	681	(3)	—23.3
Salaried officers of corporations.....	171	(3)	(1)	190	(3)	—10.0
Supervisory, technical, and clerical employees.....	⁴ 351	⁵ 345	(1)	491	1.7	—28.5
Salaries paid, total ²	\$991,944	(3)	(1)	\$2,206,339	(3)	—55.0
To salaried officers of corporations.....	\$542,464	(3)	(1)	\$1,109,737	(3)	—51.1
To supervisory, technical, and clerical employees.....	⁴ \$449,480	⁵ 421,770	(1)	\$1,096,602	6.6	—59.0
Wage earners (average for year) ⁶	2,677	2,403	3,113	4,446	11.4	—39.8
Wages.....	\$2,552,184	\$1,846,635	\$3,492,174	\$5,752,196	33.2	—55.6
Cost of materials, etc., total.....	4,167,509	2,822,756	3,779,759	6,532,524	47.6	—35.2
Cost of materials and supplies.....	4,013,155	(1)	(1)	6,306,315	(1)	—36.4
Cost of fuel.....	52,021	(1)	(1)	72,681	(1)	—23.4
Cost of purchased electric energy.....	102,333	(1)	(1)	153,528	(1)	—33.3
Value of products.....	9,852,384	7,106,565	11,146,293	19,237,897	38.6	—43.8
Value added by manufacture ⁷	5,684,875	4,283,809	7,366,534	12,705,373	32.7	—55.3

*Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 80; salaries, \$173,255. Technical, 5; salaries, \$7,080. Clerical, 266; salaries, \$269,145. See sec. 10, p. 7.

⁵ Supervisory, 95; salaries, \$175,466. Clerical and other, 250; salaries, \$246,304. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added by manufacture
United States...	169	522	2,677	\$991,944	\$2,552,184	\$4,167,509	\$9,852,384	\$5,684,875
California.....	11	18	74	21,806	73,310	99,042	316,248	217,206
Connecticut.....	4	7	7	7,601	24,846	47,282	22,436	22,436
Illinois.....	35	206	1,274	425,947	1,220,025	1,711,585	4,274,938	2,563,353
Maryland.....	4	10	44	13,165	47,135	88,411	180,447	92,036
Massachusetts.....	18	48	168	69,410	155,603	159,178	491,053	331,875
Michigan.....	3	6	11	9,401	11,546	7,514	37,676	30,162
New York.....	62	141	646	274,885	620,552	1,448,030	2,884,136	1,436,106
Pennsylvania.....	11	13	38	21,098	35,546	68,214	168,555	100,341
Other States ¹	21	80	415	156,232	380,866	560,689	1,452,049	891,380

¹ Georgia, 2 establishments; Indiana, 4; Maine, 1; Minnesota, 2; Missouri, 2; New Jersey, 1; Ohio, 5; Rhode Island, 1; Texas, 1; Washington, 1; and West Virginia, 1.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

Average number employed during year	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
United States	2,393 (*)	2,681 (*)	2,803 2,216	2,584 (*)	2,462 (*)	2,379 2,137	2,405 (*)	2,564 (*)	2,779 2,804	3,096 (*)	3,131 (*)	2,850 2,568
States, 1935												
California.....	68	69	66	68	69	72	73	73	74	78	86	92
Connecticut.....	5	6	6	7	7	7	7	7	8	8	8	10
Illinois.....	1,102	1,293	1,329	1,191	1,174	1,129	1,180	1,278	1,343	1,501	1,473	1,280
Indiana.....	179	170	185	174	157	147	158	156	197	209	217	212
Maryland.....	51	38	37	36	38	37	50	49	31	53	56	55
Massachusetts.....	164	169	183	166	158	156	150	161	166	177	180	184
Michigan.....	11	11	12	10	10	10	10	8	11	11	13	16
New York.....	602	649	686	640	580	548	517	573	674	765	816	705
Ohio.....	119	134	139	133	127	121	119	116	130	138	126	129
Pennsylvania.....	39	38	40	38	35	33	34	34	37	42	44	43

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

TABLE 4.—PRODUCTS, BY KIND AND VALUE: 1935, 1931, AND 1929

[No comparable detailed statistics available for 1933]

	1935	1931	1929
1. Mirror and Picture Frames industry, all products, total value.....	\$9,852,384	\$11,146,293	\$19,237,897
2. Mirror and picture frames and moldings.....	8,774,664	10,248,388	17,804,667
3. Other products (not normally belonging to the industry).....	1,058,533	763,099	1,151,305
4. Receipts for custom and contract work.....	19,137	134,806	281,025
5. Mirror and picture frames and moldings made as secondary products in other industries.....	178,427	195,866	201,484
Mirror and picture frames and moldings, total value (sum of 2 and 5).....	8,953,091	10,444,254	18,006,151
Mirror and picture frames:			
Wood.....	5,957,651	7,463,901	13,152,032
Metal.....	1,391,386	705,537	466,845
Other and not specified.....	301,909	222,458	116,882
Mirror and picture frame moldings, gilded or otherwise finished.....	1,302,145	1,800,974	3,176,564
Kind not specified.....		251,384	1,093,828

PLANING-MILL PRODUCTS

[A preliminary report for this industry was issued under date of Mar. 2, 1937]

Description of the industry.—This industry—"Planing-Mill Products (Including General Millwork), Made in Planing Mills not Connected with Sawmills" embraces "independent" planing mills; that is, planing mills not operated in conjunction with sawmills. (Planing mills operated in conjunction with sawmills are classified in the Lumber and Timber Products industry.) The principal planing-mill products are dressed lumber, sash, doors, frames, interior woodwork, and molding.

Detailed statistics of products.—Some of the planing-mill operators, including several of the more important ones, failed to supply data in regard to the principal classes of planing-mill products manufactured. This necessitated in some cases the making of estimates and in others the inclusion of the data for the total output of the establishments in question in the figure for "Miscellaneous millwork and millwork not reported by kind." These facts should be given consideration in any analytical study of the planing-mill statistics. The detailed statistics given in tables 4 to 8 cover the production both of independent planing mills (mills classified in the Planing-Mill Products industry) and of planing mills operated in conjunction with sawmills.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	2, 753	2, 356	3, 453	4, 849	16. 9	—43. 2
Proprietors and firm members.....	1, 411	982	(¹)	2, 763	43. 7	—48. 9
Salaried personnel, total ²	9, 078	(³)	(¹)	16, 967	(³)	—46. 5
Salaried officers of corporations.....	2, 162	(³)	(¹)	3, 833	(³)	—43. 6
Supervisory, technical, and clerical employees.....	4 6, 916	4 5, 774	(¹)	13, 134	19. 8	—47. 3
Salaries paid, total ²	\$15, 503, 484	(³)	(¹)	\$46, 030, 495	(³)	—66. 3
To salaried officers of corporations.....	\$6, 155, 864	(³)	(¹)	\$18, 254, 745	(³)	—66. 3
To supervisory, technical, and clerical employees.....	4 \$9, 347, 620	5 \$7, 667, 049	(¹)	\$27, 775, 750	21. 9	—66. 3
Wage earners (average for year) ⁴	48, 297	35, 388	54, 493	90, 134	36. 5	—46. 4
Wages.....	\$42, 178, 983	\$26, 116, 897	\$58, 552, 197	\$116, 422, 664	61. 5	—63. 8
Cost of materials, etc., total.....	\$108, 709, 896	\$67, 879, 706	\$125, 760, 345	\$296, 008, 499	60. 2	—63. 3
Cost of materials and supplies.....	\$104, 989, 665	(¹)	(¹)	\$289, 126, 597	(¹)	—63. 7
Cost of fuel.....	\$1, 278, 067	(¹)	(¹)	\$2, 047, 738	(¹)	—37. 6
Cost of purchased electric energy.....	\$2, 442, 164	(¹)	(¹)	\$4, 834, 164	(¹)	—49. 5
Value of products.....	\$196, 272, 384	\$124, 235, 186	\$235, 680, 673	\$553, 583, 498	58. 0	—64. 5
Value added by manufacture ⁷	\$87, 562, 488	\$56, 355, 480	\$109, 920, 328	\$257, 574, 999	55. 4	—66. 0

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 1,964; salaries, \$3,743,661. Technical, 355; salaries, \$578,310. Clerical, 4,597; salaries, \$5,025,649. See sec. 10, p. 7.

⁵ Supervisory, 1,711; salaries, \$3,146,774. Clerical and other, 4,063; salaries, \$4,520,275. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaries of officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added by manufacture
United States.....	2,753	9,078	48,297	\$15,503,484	\$42,178,983	\$108,709,896	\$196,272,384	\$87,562,488
Alabama.....	60	143	1,123	209,632	634,202	2,016,820	3,437,146	1,420,326
Arizona.....	6	12	72	21,187	81,175	335,807	474,376	138,509
Arkansas.....	28	121	983	165,093	700,265	1,866,275	3,448,586	1,582,311
California.....	235	738	4,019	1,327,099	4,597,410	13,426,162	23,133,284	9,707,122
Colorado.....	15	24	132	34,492	153,611	205,502	462,887	257,385
Connecticut.....	37	124	451	223,497	491,728	810,842	1,779,856	969,014
Delaware.....	4	6	15	9,034	13,584	25,735	57,390	31,655
District of Columbia.....	8	24	102	51,105	138,000	225,068	498,529	273,461
Florida.....	65	153	673	240,747	569,264	1,340,225	2,661,184	1,320,959
Georgia.....	84	254	1,482	423,595	815,141	2,758,807	4,841,582	2,082,775
Idaho.....	10	8	30	8,282	40,087	61,974	127,796	65,822
Illinois.....	160	637	2,495	1,151,232	2,628,424	5,548,379	10,796,517	5,248,138
Indiana.....	59	213	1,183	420,616	2,957,089	2,624,391	4,366,049	1,741,658
Iowa.....	43	398	2,375	571,972	2,018,400	4,626,714	8,975,558	4,348,874
Kansas.....	22	61	288	92,767	275,637	408,889	941,109	532,220
Kentucky.....	47	240	1,128	414,920	922,814	1,996,225	3,923,331	1,927,100
Louisiana.....	32	121	923	204,145	609,966	1,345,478	2,752,182	1,406,704
Maine.....	21	66	214	110,412	185,518	415,389	879,113	463,724
Maryland.....	39	146	469	256,582	446,780	1,468,021	2,769,740	1,301,710
Massachusetts.....	94	253	922	1,054,484	2,378,845	2,378,845	4,642,860	2,214,015
Michigan.....	76	340	1,615	531,929	1,330,124	3,327,109	5,983,939	2,656,830
Minnesota.....	60	268	1,246	493,552	1,204,980	2,341,273	4,811,232	2,469,959
Mississippi.....	46	89	1,160	115,534	525,799	2,110,992	3,171,016	1,060,024
Missouri.....	57	210	937	344,856	856,892	1,333,146	3,003,387	1,670,241
Montana.....	9	12	113	24,919	107,339	247,637	454,802	207,165
Nebraska.....	11	58	205	120,168	187,363	391,108	744,670	353,502
Nevada.....	6	12	70	40,376	82,978	368,557	511,884	143,327
New Hampshire.....	16	66	415	102,187	378,131	773,579	1,464,312	690,733
New Jersey.....	92	251	864	486,141	1,003,700	2,186,056	4,419,700	2,233,644
New York.....	252	693	2,534	1,242,199	2,768,826	6,866,688	13,226,493	6,359,805
North Carolina.....	109	251	2,322	379,465	1,432,669	5,127,918	8,286,934	3,159,016
Ohio.....	108	375	1,526	620,562	1,500,079	3,468,919	6,458,461	2,989,542
Oklahoma.....	20	46	189	71,177	147,463	566,851	931,858	365,007
Oregon.....	40	136	929	256,735	965,930	3,002,687	4,785,634	1,782,947
Pennsylvania.....	223	638	2,250	1,054,826	2,172,016	4,748,846	9,315,505	4,566,659
Rhode Island.....	14	31	164	56,078	155,528	675,518	1,054,252	378,734
South Carolina.....	50	94	717	142,699	385,259	1,721,803	2,701,325	979,522
South Dakota.....	5	26	113	40,711	99,464	193,092	348,804	155,712
Tennessee.....	66	215	2,153	434,352	1,355,777	3,851,324	6,619,217	2,767,893
Texas.....	86	244	1,366	352,798	1,060,282	2,602,318	4,780,638	2,177,820
Utah.....	20	13	104	20,392	135,579	184,870	425,776	240,906
Vermont.....	18	29	153	46,784	143,712	340,178	628,787	285,609
Virginia.....	88	254	1,703	414,513	1,235,100	3,581,400	6,179,682	2,808,282
Washington.....	85	293	2,491	538,507	2,443,625	7,256,573	11,553,381	4,296,808
West Virginia.....	22	66	393	109,394	285,621	842,005	1,423,248	531,243
Wisconsin.....	99	616	3,337	1,020,914	2,781,669	6,455,080	11,585,502	5,130,422
Other States ¹	6	10	119	19,780	94,499	258,321	432,840	174,519

¹ New Mexico, 4 establishments; North Dakota, 1; Wyoming, 1; combined to avoid disclosing, exactly or approximately, any data reported by individual establishments.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935

[See secs. 11 and 23, pp. 7 and 12]

		NUMBER REPORTED FOR—											
		January	February	March	April	May	June	July	August	September	October	November	December
1935	United States	41,240	42,213	43,953	45,420	46,848	48,855	51,028	51,157	52,496	52,328	52,036	51,185
1933		(*)	(*)	29,379	(*)	37,165	(*)	(*)	(*)	36,766	(*)	(*)	35,749
	Average number employed during year ¹												
	States, 1935												
Alabama	1,123	1,006	1,051	1,100	1,150	1,150	1,150	1,174	1,108	1,176	1,147	1,175	1,176
Arizona	72	75	71	68	64	69	69	67	67	73	78	81	79
Arkansas	984	812	849	895	923	1,037	1,037	1,098	1,028	1,149	1,033	1,080	1,045
California	4,019	3,379	3,560	3,674	4,019	4,105	4,105	4,236	4,348	4,338	4,450	4,476	4,361
Colorado	132	99	120	108	119	118	118	144	183	160	151	139	128
Connecticut	451	407	410	429	425	451	451	465	495	481	475	474	478
Delaware	15	11	12	13	14	17	17	16	15	15	16	20	15
District of Columbia	102	87	87	106	106	111	111	109	108	111	112	105	103
Florida	673	614	614	592	611	628	628	679	716	718	734	751	770
Georgia	1,482	1,402	1,421	1,431	1,475	1,531	1,531	1,524	1,553	1,531	1,520	1,502	1,488
Idaho	30	24	29	27	32	31	31	30	32	36	37	33	31
Illinois	2,501	2,203	2,377	2,502	2,398	2,453	2,453	2,575	2,679	2,806	2,710	2,616	2,685
Indiana	1,139	1,075	1,076	1,106	1,155	1,168	1,168	1,136	1,197	1,210	1,158	1,286	1,203
Iowa	2,375	1,884	2,015	2,158	2,331	2,637	2,637	2,822	2,328	2,801	2,739	2,578	2,459
Kansas	288	259	263	270	278	291	291	294	289	298	310	325	316
Kentucky	1,128	1,057	1,213	1,323	984	986	986	1,021	1,118	1,143	1,157	1,158	1,207
Louisiana	860	815	873	882	903	903	920	920	959	935	996	985	970
Maine	214	199	199	205	213	221	221	226	217	228	237	227	214
Maryland	470	451	460	466	463	460	480	467	452	477	488	489	452
Massachusetts	924	806	828	864	896	1,001	1,001	968	993	967	989	972	970
Michigan	1,616	1,390	1,506	1,539	1,616	1,606	1,606	1,629	1,707	1,716	1,741	1,773	1,723
Minnesota	1,249	980	1,074	1,168	1,238	1,376	1,376	1,424	1,459	1,447	1,377	1,327	1,282
Mississippi	1,160	1,026	1,129	1,199	1,198	1,235	1,235	1,176	1,137	1,147	1,215	1,168	1,224
Missouri	994	728	808	853	885	933	933	976	1,027	1,075	1,094	1,062	1,063
Montana	78	77	78	82	115	140	140	144	137	146	131	115	1,109

For footnotes, see end of table.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935—Continued

Average number employed during year ¹	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
<i>States, 1935—Continued.</i>												
Nebraska.....	163	181	185	165	191	199	220	222	223	223	231	231
Nevada.....	71	57	60	62	60	68	72	84	80	70	81	83
New Hampshire.....	404	357	348	354	377	416	448	433	447	455	451	421
New Jersey.....	864	825	827	862	893	953	844	826	851	801	902	894
New York.....	2, 536	2, 135	2, 281	2, 355	2, 476	2, 550	2, 606	2, 730	2, 736	2, 785	2, 879	2, 710
North Carolina.....	2, 323	2, 158	2, 216	2, 250	2, 303	2, 357	2, 357	2, 366	2, 429	2, 470	2, 440	2, 429
Ohio.....	1, 526	1, 274	1, 333	1, 417	1, 509	1, 601	1, 624	1, 613	1, 682	1, 695	1, 686	1, 663
Oklahoma.....	1, 189	1, 180	1, 181	1, 181	1, 181	1, 196	1, 199	1, 192	1, 193	1, 194	1, 197	1, 200
Oregon.....	929	739	802	802	838	877	1, 121	1, 113	1, 023	1, 046	1, 011	1, 011
Pennsylvania.....	2, 252	2, 082	2, 083	2, 107	2, 145	2, 239	2, 342	2, 323	2, 302	2, 470	2, 429	2, 351
Rhode Island.....	165	142	159	149	166	164	170	173	184	174	173	168
South Carolina.....	714	675	673	688	724	724	727	745	738	741	723	734
South Dakota.....	113	87	96	95	105	131	156	130	134	130	134	163
Tennessee.....	2, 153	1, 824	2, 070	2, 013	2, 019	2, 258	2, 328	2, 380	2, 311	2, 200	2, 308	2, 300
Texas.....	1, 366	1, 168	1, 284	1, 261	1, 295	1, 457	1, 848	1, 477	1, 405	1, 301	1, 360	1, 394
Utah.....	104	77	87	90	101	112	123	125	119	116	114	106
Vermont.....	183	165	174	177	184	178	176	180	174	183	197	219
Virginia.....	1, 676	1, 511	1, 525	1, 486	1, 591	1, 686	1, 762	1, 789	1, 805	1, 837	1, 836	1, 808
Washington.....	2, 401	2, 203	2, 343	2, 416	2, 428	1, 980	2, 481	2, 833	2, 886	2, 761	2, 692	2, 598
West Virginia.....	393	346	346	357	381	384	405	408	427	431	450	419
Wisconsin.....	3, 340	2, 716	2, 679	2, 949	3, 151	3, 508	3, 566	3, 630	3, 942	3, 857	3, 721	3, 698

* Data incomplete.

¹ As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, they differ somewhat from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

TABLE 4.—PRODUCTS—SUMMARY, FOR THE UNITED STATES: 1935, 1933, 1931 AND 1929

	1935	1933	1931	1929
1. Planing-Mill Products industry (independent planing mills), all products, total value.....	\$196, 272, 384	\$124, 235, 186	\$235, 680, 673	\$553, 583, 498
(a) Planing-mill products.....	182, 510, 205	117, 032, 847	222, 785, 507	524, 878, 311
(b) Other products (not normally belonging to the industry).....	12, 863, 501	6, 793, 212	11, 400, 969	25, 175, 774
(c) Receipts for custom planing.....	898, 678	409, 127	1, 494, 197	3, 529, 413
2. Planing mills operated in conjunction with sawmills: ¹				
(a) Planing-mill products, value.....	213, 976, 665	132, 978, 480	168, 058, 311	2, 436, 499, 103
(b) Receipts for custom planing.....	125, 337	114, 611	56, 724	489, 650
3. Planing-mill products made as secondary products in other industries, value.....	5, 732, 286	2, 301, 717	6, 347, 188	8, 605, 324
Planing-mill products, aggregate value (1a, 2a, and 3).....	402, 219, 156	252, 313, 044	397, 191, 006	² 970, 427, 738

¹ Establishments that operate planing mills in conjunction with sawmills are classified in the Lumber and Timber Products industry.

² Revised.

TABLE 5.—PLANING-MILL PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1935 AND 1933

KIND	1935			1933		
	Total	Independent planing mills	Planing mills operated in conjunction with sawmills	Total	Independent planing mills	Planing mills operated in conjunction with sawmills
Total value.....	\$402, 219, 156	\$188, 242, 491	\$213, 976, 665	\$252, 313, 044	\$119, 334, 564	\$132, 978, 480
Dressed lumber, including flooring, ceiling, partition, and siding:						
Quantity, M feet, b. m.	10, 008, 587	1, 760, 386	8, 248, 201	7, 124, 382	1, 082, 307	6, 042, 075
Value.....	\$225, 766, 751	\$46, 392, 003	\$179, 374, 748	\$135, 029, 297	\$27, 074, 072	\$107, 955, 226
Doors (see table 7):						
For general construction:						
Number.....	7, 252, 871	5, 150, 817	2, 102, 054	1, 628, 510	4, 147, 102	2, 111, 408
Value.....	\$15, 960, 309	\$13, 400, 609	\$2, 559, 700	\$10, 408, 025	\$8, 071, 392	\$2, 336, 633
Other, value.....	\$4, 619, 583	\$4, 057, 979	\$561, 604	\$1, 858, 763	\$1, 743, 174	\$115, 589
Sash:						
Number.....	20, 058, 955	19, 242, 200	816, 755	12, 727, 002	11, 863, 760	863, 242
Value.....	\$12, 021, 045	\$11, 638, 661	\$382, 384	\$6, 744, 003	\$6, 388, 316	\$355, 687
Window and door frames:						
Number.....	3, 278, 268	2, 990, 051	288, 217	2, 231, 442	2, 007, 363	224, 079
Value.....	\$7, 560, 672	\$7, 071, 544	\$489, 128	\$4, 643, 517	\$4, 348, 423	\$295, 094
Plywood, value (see table 8):	\$27, 093, 862	\$5, 919, 872	\$21, 173, 990	\$18, 253, 145	\$4, 828, 825	\$13, 424, 320
Portable and ready-cut houses, value.....	\$4, 065, 669	\$4, 000, 073	\$65, 596	\$1, 639, 879	\$1, 639, 379	\$500
Tanks and vats, value.....	\$4, 853, 658	\$4, 820, 264	\$33, 394	\$4, 954, 544	\$4, 954, 214	\$330
Silo stock, value.....	\$836, 260	\$674, 386	\$161, 874	\$482, 063	\$335, 355	\$146, 708
Battery separators, value.....	\$2, 363, 262	\$1, 507, 242	\$856, 020	\$2, 500, 250	\$1, 445, 266	\$1, 054, 984
Venetian blinds, value.....	\$5, 541, 202	\$5, 541, 202	-----	\$1, 029, 229	\$1, 029, 429	\$800
Miscellaneous millwork and millwork not reported by kind, value ²	\$91, 536, 883	\$83, 218, 656	\$8, 318, 227	\$64, 770, 329	\$57, 477, 719	\$7, 292, 610

¹ For 1933, reported as "Doors for dwellings and offices."

² Molding, inside trim, and general millwork, not separately reported.

New York.....	13,727,694	49,466	1,941,747	771,088 ¹	1,000,295 ¹	626,022	88,299 ¹	289,216 ¹	1,107,904	802,834	415,980	298,107	367,860	7,116,696
North Carolina.....	15,085,328	493,321	9,269,475	163,116	103,569	158,453	1,129,252	165,603	1,960,778	(²)	(²)	(²)	(²)	2,671,901
Ohio.....	6,478,007	23,552	2,263,725	349,411	81,401	116,590	65,112	225,186	(²)	4,686,155				
Oklahoma.....	2,985,272	100,608	2,283,126	(³)	56,685	74,585	(³)	156,087	(³)	(³)	253,174	(³)	(³)	631,631
Oregon.....	34,986,924	1,437,349	28,719,134	1,002,332	70,119	88,579	84,434	156,087	(⁴)	3,768,860				
Pennsylvania.....	9,436,685	30,468	1,504,641	639,008	109,148	151,855	56,423	250,564	595,698	(⁵)	(⁵)	(⁵)	(⁵)	6,273,371
Rhode Island.....	1,045,666	(⁶)	9,438	9,438	4,331	9,030	1,334	11,687	(⁶)	1,015,601				
South Carolina.....	8,289,511	362,608	6,704,648	45,730	34,817	58,448	19,267	69,788	(⁷)	1,410,897				
South Dakota.....	792,286	10,161	270,537	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)	521,749
Tennessee.....	8,220,222	159,884	5,717,553	77,215	97,738	80,352	45,829	165,187	573,063	(⁹)	(⁹)	4,500	(⁹)	1,602,352
Texas.....	15,345,483	539,338	11,121,351	680,237	680,123	495,220	99,222	305,940	17,074	81,883	(¹⁰)	270,577	(¹⁰)	2,393,501
Utah.....	381,020	(¹¹)	15,497	32,671	15,497	19,679	7,869	16,179	(¹¹)	312,491				
Vermont.....	1,709,842	10,147	345,077	4,776	4,214	7,542	1,308	668,789	(¹²)	646,619				
Virginia.....	8,787,513	231,280	5,379,167	246,932	29,700	62,732	29,410	116,363	(¹³)	(¹³)	602,695	1,880	(¹³)	2,980,209
Washington.....	58,003,004	1,843,761	34,444,325	4,369,332	1,459,560	668,910	493,164	661,490	11,853,360	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	6,000,892
West Virginia.....	2,440,042	38,462	1,402,661	32,833	20,210	15,495	7,580	26,890	2,403,971	(¹⁵)	(¹⁵)	(¹⁵)	(¹⁵)	962,113
Wisconsin.....	10,156,737	119,718	4,135,290	2,914,311	3,265,662	1,578,270	273,384	489,193	2,403,971	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)	4,635,702
Other States.....	111,294	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	111,294
Items covered by footnote 3.....	15,964	15,964	517,796	231,461	740,994	359,088	59,965	137,247	5,443,879	3,018,012	1,694,874	2,249,311	433,972	
Items covered by footnote 4.....														

* Number reported, 691,198, value, \$4,791,124; number not reported, value, \$750,078.

¹ Molding, inside trim, and general millwork, not separately reported. Includes some items not specified by kind.
² The United States total represents the actual value of "miscellaneous millwork," but many of the State items include also the values of certain specified products for which separate figures could not be given without disclosing, exactly or approximately, data for individual establishments. (See footnote 4.) Thus the sum of the State items exceeds the United States total by the combined amount of the specified items not shown separately by States; namely, \$11,778,960.

³ The values of specified products not shown for certain States in order to avoid disclosing, exactly or approximately, the production of individual establishments are included in the corresponding State item in the "Miscellaneous millwork" column; and both quantities and values are included in the appropriate items at the foot of the table. (See footnote 2.)

⁴ North Dakota and Wyoming. Combined to avoid disclosing data for an individual establishment.

TABLE 7.—DOORS—PRODUCTION, BY KIND, NUMBER, AND VALUE, FOR THE UNITED STATES: 1935

KIND	Number	Value
Aggregate.....		\$20,579,892
For general construction, total.....	7,252,871	15,960,309
Pine.....	2,406,928	6,483,808
Fir ¹	4,003,149	5,482,512
Hardwood.....	268,447	1,970,182
Other.....	574,347	2,023,809
For garages.....	260,918	2,463,231
Other.....	(²)	2,156,352

¹ As reported; probably Douglas fir.² No data.

TABLE 8.—PLYWOOD—PRODUCTION, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1935

[Not including veneers produced and consumed in the same establishments]

KIND	Value
Aggregate value.....	\$27,093,862
Utility (for boxes, construction, etc.), total value.....	\$17,860,124
Quantity and value reported:	
M square feet.....	460,656
Value.....	\$13,292,268
Value only reported.....	\$4,567,856
Plain and fancy (for decorative uses), total value.....	\$9,233,738
Quantity and value reported:	
M square feet.....	121,998
Value.....	\$6,839,816
Value only reported.....	\$2,393,923

315

SYNTHETIC-RESIN, CELLULOSE-PLASTIC, VULCANIZED-FIBER, AND MOLDED AND PRESSED PULP FABRICATED ARTICLES, NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued December 12, 1936]

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of *finished articles* of nitrocellulose, cellulose acetate, phenolic-resin, and similar plastics; vulcanized-fiber products; and articles made of pressed wood pulp. (The manufacture of cellulose plastics and phenolic resins *for use in further manufacture* is classified under "Chemicals not elsewhere classified.")

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1931 TO 1935

[No comparable statistics available for years prior to 1931]

	1935	1933	1931	PERCENT OF INCREASE OR DECREASE (—)	
				1933-1935	1931-1933
Number of establishments.....	153	101	86	51.5	(*)
Proprietors and firm members.....	28	16	(1)	(*)	(1)
Salaried personnel, total ¹	1,590	(3)	(1)	(3)	(1)
Salaried officers of corporations.....	190	(3)	(1)	(3)	(1)
Supervisory, technical, and clerical employees.....	1,400	841	(1)	66.5	(1)
Salaries paid, total ²	\$3,378,212	(3)	(1)	(3)	(1)
To salaried officers of corporations.....	\$975,309	(3)	(1)	(3)	(1)
To supervisory, technical, and clerical employees.....	\$2,402,903	\$1,389,655	(1)	72.9	(1)
Wage earners (average for year) ³	12,749	6,840	5,654	86.4	21.0
Wages.....	\$12,090,086	\$5,926,897	\$6,105,362	104.0	-2.9
Cost of materials, etc., total.....	21,240,873	10,023,281	10,804,743	111.9	-7.2
Cost of materials and supplies.....	19,634,934	(1)	(1)	(1)	(1)
Cost of fuel.....	836,899	(1)	(1)	(1)	(1)
Cost of purchased electric energy.....	769,040	(1)	(1)	(1)	(1)
Value of products.....	50,298,937	25,731,321	27,239,355	95.5	-5.5
Value added by manufacture ⁷	29,058,064	15,708,040	16,434,612	85.0	-4.4

*Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 405; salaries, \$1,089,894. Technical, 141; salaries, \$337,323. Clerical, 854; salaries, \$975,686. See sec. 10, p. 7.

⁵ Supervisory, 272; salaries, \$711,791. Clerical and other, 569; salaries, \$677,864. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaries of officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added by manufacture
United States	153	1,590	12,749	\$3,378,212	\$12,090,086	\$21,240,873	\$50,298,937	\$29,058,064
California	7	20	111	36,728	106,672	167,307	504,027	336,720
Connecticut	8	132	879	261,860	962,171	1,173,531	3,170,596	1,997,065
Delaware	9	101	1,056	184,717	950,042	2,233,314	4,654,107	2,420,793
Illinois	19	198	1,711	462,898	1,609,797	2,885,245	6,716,367	3,831,122
New Jersey	12	107	974	269,537	870,985	1,288,837	3,174,357	1,885,520
New York	34	276	2,177	590,666	2,008,281	3,155,397	7,851,323	4,695,926
Ohio	17	285	2,069	646,259	1,923,013	4,020,941	8,996,244	4,975,303
Pennsylvania	15	163	1,752	365,062	1,627,748	3,165,396	7,097,737	3,932,341
Rhode Island	4	7	44	10,636	58,766	91,827	141,464	49,637
Wisconsin	5	18	117	31,153	87,948	209,990	419,203	209,213
Other States ¹	23	283	1,858	518,696	1,884,663	2,849,088	7,573,512	4,724,424

¹ Indiana, 2 establishments; Maine, 1; Maryland, 1; Massachusetts, 10; Michigan, 2; Minnesota, 1; Missouri, 2; New Hampshire, 3; Tennessee, 1.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
Average number employed during year ¹	12,742	11,815	12,139	12,219	12,453	12,308	12,329	12,648	13,314	14,127	14,288	13,903
United States	6,840	5,206	4,952	5,271	5,646	6,387	7,017	7,842	8,660	8,950	8,893	8,217
States, 1935												
California	111	100	108	106	108	110	104	111	121	124	122	125
Connecticut	871	837	823	600	641	824	883	942	953	996	1,063	1,056
Delaware	1,056	923	973	1,055	1,096	1,085	1,051	1,075	1,155	1,149	1,058	1,088
Illinois	1,711	1,442	1,646	1,606	1,632	1,597	1,741	1,771	1,941	1,982	1,942	1,819
Massachusetts	824	718	717	751	803	792	818	847	901	967	962	887
New Jersey	974	944	1,003	1,034	1,015	942	851	965	983	1,027	1,031	965
New York	2,177	1,989	2,071	2,148	2,275	2,188	2,252	2,174	2,306	2,337	2,310	2,264
Ohio	2,069	2,036	2,017	1,936	1,998	1,878	1,818	1,755	1,880	2,353	2,600	2,565
Pennsylvania	1,752	1,662	1,670	1,801	1,783	1,796	1,761	1,932	1,799	1,749	1,739	1,717
Rhode Island	44	33	49	50	39	41	36	46	63	62	65	25
Wisconsin	117	108	113	121	120	111	101	111	136	150	123	108

¹ As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, they differ somewhat from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

TABLE 4.—PRODUCTS, BY KIND AND VALUE: 1935 AND 1931

[No comparable statistics available for 1933. See sec. 4, p. 3]

	1935	1931
1. "Synthetic-Resin, Cellulose-Plastic, Vulcanized-Fiber, and Molded and Pressed Pulp Fabricated Articles, not Elsewhere Classified" industry, all products, total value.....	\$50, 298, 937	\$27, 239, 355
2. Fabricated articles of synthetic resins, nitrocellulose, cellulose acetate, transparent cellulose sheeting, vulcanized fiber, and wood pulp.....	46, 966, 309	26, 088, 311
3. Other products (not normally belonging to the industry).....	¹ 3, 332, 628	1, 151, 044
4. Fabricated articles of synthetic resins, etc., made as secondary products in other industries.....	7, 996, 148	4, 737, 788
Fabricated articles of synthetic resins, etc., total value (sum of 2 and 4).....	54, 962, 457	30, 826, 099
Synthetic-resin products:		
Laminated products:		
Sheets and plates (made for sale as such).....	4, 169, 900	} 20, 900, 064
Tubes, blocks, and other unfinished forms (made for sale as such).....	597, 716	
All other laminated synthetic-resin products.....	5, 912, 006	
Molded products.....	21, 038, 026	
Other synthetic-resin products and finished cast products.....	2, 266, 109	
Nitrocellulose articles, not including bags, wrappers, etc.....	3, 271, 878	
Cellulose-acetate articles, not including bags, wrappers, etc.....	1, 079, 400	
Transparent-cellulose bags, wrappers, etc.....	4, 183, 196	
Vulcanized-fiber products:		
Hollow ware (boxes, cans, pails, etc.).....	1, 044, 749	969, 682
Rods, tubes, etc.....	4, 718, 844	} 7, 103, 644
All other vulcanized-fiber products.....	2, 389, 313	
Molded pulp products (fiber conduits, plates, dishes, egg-case liners, etc.).....	4, 291, 320	1, 852, 709

¹Includes a small amount received for custom work.

TURPENTINE AND ROSIN

[Compiled in cooperation with the Department of Agriculture, Bureau of Chemistry and Soils]

[A preliminary report for this industry was issued Feb. 20, 1937]

Description of the industry.—The Turpentine and Rosin industry embraces establishments engaged primarily in the production of spirits of turpentine and rosin made by distillation of the resinous exudation of certain species of pine, principally longleaf and loblolly. It does not cover the production of turpentine and rosin by wood distillation (statistics for which are given in a separate report), except in table 4.

Crop year.—The producing season in the Turpentine and Rosin industry commences in the spring when the sap begins to flow, and to make the task of reporting less difficult for the operators, the data were formerly collected for the crop years ended March 31. In order, however, to bring the statistics, and particularly the employment figures, into line with those for other industries, the canvasses for 1933 and 1935 were made to cover the calendar years. It is understood that the statistics for the calendar year differ only slightly from those for the crop year.

Cost of materials.—The cost of materials in the Turpentine and Rosin industry consists principally of (1) payment for turpentine rights by operators of stills who gather the crude gum instead of purchasing it, (2) cost of purchased crude gum delivered to the stills, and (3) cost of containers. As most operators of stills gather the crude gum instead of purchasing it, a large part of the actual cost of the gum delivered to the stills is paid in the form of wages and therefore is included by the operators in the item for wages and not in that for cost of materials, etc. As the labor cost of gathering the gum is not reported separately from the labor cost of operating the still, the entire cost of materials delivered at the plant cannot be determined for the Turpentine and Rosin industry on a basis comparable with that for other industries. Thus the cost of materials, etc., considered as applying to the crude gum delivered at the still, is understated by the Census figures, and the value added by manufacture (see footnote 7, table 1) is correspondingly overstated.

The Bureau of Chemistry and Soils, Department of Agriculture, estimates that approximately 90 percent of the total amount reported as paid in wages should be charged to gathering the crude gum and delivering it to the stills. (This would leave approximately \$652,000 as the amount of wages chargeable to the operation of the stills in 1935.) The addition of 90 percent of the 1935 wage figure to the cost of materials, fuel, and containers would bring this cost up to approximately \$13,187,000, which, deducted from the value of the products, \$19,232,724, would leave approximately \$6,046,000 as the value added by manufacture. (This figure includes any profit that may have accrued not only in the manufacture of the turpentine and rosin but also in the production of the crude gum.) In making use of these estimates, it must be remembered that they refer to the 895 establishments covered by the 1935 canvass, and that that canvass was incomplete. (See following paragraph.)

Extent of coverage.—As the result of various causes beyond the control of the Bureau of the Census, it has been impracticable for this Bureau to make a complete canvass of turpentine stills since 1930. The canvass made in that year covered, with substantial completeness,

all turpentine distillers whose production of turpentine and rosin in 1929 was valued at \$5,000 or more. The coverage for later census years, however, has been incomplete, amounting to only about 85 percent of the industry for 1933 and to approximately 87 percent for 1935. That is to say, the producers covered by the Census canvass accounted for approximately 85 percent of the total production reported for 1933 to the Control Committee of the Marketing Agreement for Gum Turpentine and Gum Rosin Processors, and for approximately 87 percent of the total reported for the crop year ended March 31, 1936, to the Bureau of Chemistry and Soils. This should be borne in mind in making use of the figures in table 1.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 to 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	895	843	953	1, 183	6.2	-24.3
Proprietors and firm members.....	938	911	(¹)	1, 484	3.0	-36.8
Salaried personnel, total ²	1, 104	(³)	(¹)	1, 583	(³)	-30.3
Salaried officers of corporations.....	111	(³)	(¹)	69	(³)	(*)
Supervisory, technical, and clerical employees.....	4 993	5 1, 116	(¹)	1, 514	-11.0	-34.4
Salaries paid, total ²	\$987, 116	(³)	(¹)	\$1, 941, 210	(³)	-49.1
To salaried officers of corporations.....	\$199, 635	(³)	(¹)	\$148, 176	(³)	34.7
To supervisory, technical, and clerical employees.....	4 \$787, 481	5 \$792, 147	(¹)	\$1, 793, 034	-6	-56.1
Wage earners (average for year) ⁴	27, 248	26, 285	28, 257	40, 157	3.7	-32.1
Wages.....	\$6, 518, 964	\$5, 501, 487	\$7, 280, 389	\$15, 036, 175	18.5	-56.6
Cost of materials, etc., total.....	\$7, 320, 212	\$6, 282, 258	\$5, 792, 633	\$10, 293, 954	16.5	-28.9
Cost of materials, supplies, and containers.....	7, 086, 493	(¹)	(¹)	10, 012, 461	(¹)	-29.2
Cost of fuel.....	222, 533	(¹)	(¹)	280, 872	(¹)	-20.8
Cost of purchased electric energy.....	11, 186	(¹)	(¹)	621	(¹)	1, 701.3
Value of products.....	19, 232, 724	16, 426, 766	16, 505, 745	36, 281, 632	17.1	-47.0
Value added by manufacture ⁷	11, 912, 512	10, 144, 508	10, 713, 112	25, 987, 678	17.4	-54.2

* Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory and technical, 797; salaries, \$644,648. Clerical, 196; salaries, \$142,833. See sec. 10, p. 7.

⁵ Supervisory, 913; salaries, \$668,475. Clerical and other, 203; salaries, \$123,672. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture
United States.....	895	1, 104	27, 248	\$987, 116	\$6, 518, 964	\$7, 320, 212	\$19, 232, 724	\$11, 912, 512
Alabama.....	85	70	2, 563	84, 620	641, 639	806, 995	2, 101, 343	1, 294, 348
Florida.....	285	378	8, 694	333, 946	2, 163, 051	1, 814, 358	5, 523, 734	3, 709, 376
Georgia.....	497	571	13, 966	491, 135	3, 254, 058	4, 132, 111	10, 266, 442	6, 134, 331
Mississippi.....	16	32	670	31, 579	114, 965	159, 677	376, 264	216, 587
North Carolina.....	3	5	51	3, 240	16, 410	11, 796	42, 106	30, 310
South Carolina.....	33	29	937	21, 738	209, 514	237, 006	613, 739	376, 733
Louisiana ¹	5	19	367	20, 858	119, 327	158, 269	309, 096	150, 827
Texas ¹	1							

¹ Figures for each item except number of establishments combined to avoid disclosing data for an individual establishment.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935

[See secs. 11 and 23, pp. 7 and 12]

Average number employed during year ¹	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>												
1935.....	26,057	26,318	26,702	27,191	27,659	27,905	28,175	27,984	27,831	27,417	27,068	26,702
1933.....	23,102	23,360	24,992	26,768	27,151	27,552	27,662	27,593	27,290	27,054	26,697	26,195
<i>States, 1935</i>												
Alabama.....	2,416	2,474	2,627	2,526	2,645	2,667	2,695	2,654	2,702	2,580	2,474	2,387
Florida.....	8,287	8,369	8,536	8,698	8,878	8,978	8,962	8,964	8,774	8,679	8,661	8,563
Georgia.....	13,496	13,617	13,712	13,897	14,018	14,150	14,392	14,248	14,246	14,072	13,910	13,857
Mississippi.....	670	619	644	681	690	678	692	699	700	691	669	650
North Carolina.....	41	43	54	54	56	58	59	58	57	49	49	50
South Carolina.....	937	806	856	952	1,001	1,001	997	997	997	1,022	960	804
Louisiana and Texas ²	308	392	384	383	371	373	378	364	355	324	345	341

¹ As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, they differ slightly from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

² Combined to avoid disclosing data for an individual establishment.

TABLE 4.—PRODUCTION OF TURPENTINE AND ROSIN, BY QUANTITY AND VALUE:
1935-36, 1933, AND 1929-30

	1935-36 ¹	1933 ²	1929-30 ³
From gum:			
Turpentine, total gallons.....	4 24,850,000	5 25,500,000	31,320,871
Quantity and value reported:			
Gallons.....	6 21,433,411	6 21,010,591	30,997,883
Value.....	6 \$8,750,125	6 \$8,143,186	\$13,402,403
Quantity only reported—gallons.....	4 3,416,589	5 4,489,409	322,988
Rosin, total barrels.....	4 1,647,000	5 1,700,000	1,975,631
Quantity and value reported:			
Barrels.....	6 1,464,951	6 1,430,792	1,953,258
Value.....	6 \$10,135,990	6 \$8,141,489	\$22,388,426
Quantity only reported—barrels.....	4 182,049	5 269,208	22,373
From wood:			
Turpentine, total gallons.....	4 5,295,400	4 4,938,050	7 4,610,253
Quantity and value reported:			
Gallons.....	6 4,685,641	6 3,652,200	7 4,610,253
Value.....	6 \$1,879,821	6 \$1,333,177	7 \$1,714,139
Quantity only reported—gallons.....	4 609,759	4 1,285,850	-----
Rosin, total barrels.....	4 575,304	4 509,277	7 478,555
Quantity and value reported:			
Barrels.....	6 529,001	6 449,010	7 478,555
Value.....	6 \$4,171,862	6 \$2,514,782	7 \$5,443,214
Quantity only reported—barrels.....	4 46,303	4 60,267	-----

¹ Crop year ended March 31, 1936.² Calendar year.³ Crop year ended March 31, 1930; compiled from data collected by Bureau of the Census.⁴ Compiled from data collected by Bureau of Chemistry and Soils, Department of Agriculture.⁵ Compiled from data collected by the Control Committee of the Marketing Agreement for Gum Turpentine and Gum Rosin Processors.⁶ Compiled from data collected by Bureau of the Census.⁷ Calendar year 1929; compiled from data collected by Bureau of the Census.

317

WINDOW AND DOOR SCREENS AND WEATHER STRIP

[A preliminary report for this industry was issued Mar. 3, 1937]

Description of the industry.—This industry embraces establishments engaged principally in the manufacture of window screens, door screens, and weather strip, regardless of the materials used.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	141	123	207	280	14.6	-49.6
Proprietors and firm members.....	86	63	(¹)	192	(*)	-55.2
Salaried personnel, total ²	458	(³)	(¹)	829	(³)	-44.8
Salaried officers of corporations...	123	(³)	(¹)	220	(³)	-44.1
Supervisory, technical, and clerical employees.....	4 335	5 310	(¹)	609	8.1	-45.0
Salaries paid, total ²	\$927,843	(³)	(¹)	\$2,416,318	(³)	-61.6
To salaried officers of corporations...	\$511,365	(³)	(¹)	\$1,177,808	(³)	-56.6
To supervisory, technical, and clerical employees.....	4 \$416,478	5 \$495,816	(¹)	\$1,238,510	-16.0	-66.4
Wage earners (average for year) ⁴	1,873	1,571	2,564	4,034	19.2	-53.6
Wages.....	\$1,743,806	\$1,222,863	\$2,970,654	\$4,957,661	42.6	-64.8
Cost of materials, etc., total.....	\$4,101,480	\$2,910,679	\$5,713,205	\$10,512,746	40.9	-61.0
Cost of materials and supplies....	3,995,214	(¹)	(¹)	10,288,590	(¹)	-61.2
Cost of fuel.....	49,685	(¹)	(¹)	93,783	(¹)	-47.0
Cost of purchased electric energy..	56,581	(¹)	(¹)	130,368	(¹)	-56.6
Value of products.....	8,667,989	6,313,891	13,539,315	24,451,700	37.3	-64.6
Value added by manufacture ⁷	4,566,509	3,403,212	7,826,110	13,938,954	34.2	-67.2

* Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 69; salaries, \$140,476. Technical, 24; salaries, \$33,842. Clerical, 242; salaries, \$242,160. See sec. 10, p. 7.

⁵ Supervisory, 78; salaries, \$201,833. Clerical and other, 234; salaries, \$293,983. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Num- ber of estab- lish- ments	Salaried officers and em- ployees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added by manufac- ture
United States..	141	458	1,873	\$927,843	\$1,743,806	\$4,101,480	\$8,667,989	\$4,566,509
California.....	10	26	86	48,607	78,214	158,600	388,399	229,799
Connecticut.....	5	2	6	301	6,279	17,232	35,203	17,971
Illinois.....	22	70	169	124,035	171,747	831,831	1,610,673	778,842
Louisiana.....	3	3	10	1,977	9,280	10,187	28,024	17,837
Maryland.....	6	11	41	16,237	42,061	46,432	145,921	99,459
Massachusetts.....	15	18	74	18,269	83,590	178,651	367,083	188,432
Michigan.....	11	40	291	102,251	272,625	640,055	1,266,795	626,740
Missouri.....	8	21	48	39,549	49,399	115,790	272,153	156,363
New Jersey.....	9	37	97	54,463	108,606	181,305	407,970	226,665
New York.....	17	35	64	59,605	94,578	237,330	482,219	244,889
Ohio.....	7	33	124	107,372	138,621	282,952	652,763	369,811
Pennsylvania.....	5	24	126	54,180	126,142	297,547	558,323	260,776
Texas.....	4	6	32	7,347	23,026	43,390	90,459	47,069
Other States ¹	19	132	705	298,650	539,638	1,060,178	2,362,004	1,301,826

¹ District of Columbia, 1 establishment; Georgia, 1; Indiana, 1; Kentucky, 3; Maine, 1; Minnesota, 2; Oklahoma, 4; Tennessee, 2; Vermont, 1; Virginia, 2; Wisconsin, 1. See sec. 23, p. 12.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 (See secs. 11 and 23, pp. 7 and 12)

	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
Average number employed during year 1	1,914	1,746	1,887	1,933	2,059	2,070	1,849	1,681	1,886	2,035	2,019	1,991
1935	(*)	(*)	1,396	(*)	(*)	1,860	(*)	(*)	1,548	(*)	(*)	1,669
1933	1,571											
<i>United States</i>												
<i>States, 1935</i>												
California.....	86	57	59	70	99	98	105	105	103	97	92	99
Connecticut.....	6	4	5	5	8	9	8	6	6	5	5	4
Illinois.....	169	137	140	147	177	186	184	201	201	195	183	164
Kentucky.....	78	77	78	74	77	67	79	82	82	86	86	82
Louisiana.....	10	7	9	8	12	11	12	13	13	11	9	11
Maryland.....	42	27	29	38	47	49	47	47	41	54	53	39
Massachusetts.....	74	51	55	76	94	113	100	79	68	72	69	63
Michigan.....	320	327	333	348	364	337	283	196	203	261	286	300
Missouri.....	49	34	36	47	54	61	53	53	53	55	53	53
New Jersey.....	97	67	72	84	98	139	130	110	97	103	92	100
New York.....	64	54	58	68	69	70	67	64	66	68	67	64
Ohio.....	128	138	135	128	127	120	117	121	118	112	88	157
Oklahoma.....	48	40	45	45	53	53	52	52	45	53	52	47
Pennsylvania.....	140	117	120	139	152	146	154	102	128	146	174	172
Texas.....	32	26	29	31	31	34	33	33	31	35	41	37

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.
 † As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, they differ somewhat from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year.

TABLE 4.—PRODUCTS, BY KIND AND VALUE: 1935, 1931, AND 1929

[No detailed production statistics for 1933 are available]

KIND	1935	1931	1929
1. Window and Door Screens and Weather Strip industry, all products, total value.....	\$8,667,989	\$13,539,315	\$24,451,700
2. Window and door screens and weather strip.....	6,790,392	11,504,287	21,190,351
3. Other products (not normally belonging to the industry).....	1,786,447	1,951,576	3,103,983
4. Receipts for custom and contract work.....	91,150	83,452	157,366
5. Window and door screens and weather strip made as secondary products in other industries.....	3,513,671	3,492,017	6,996,219
Window and door screens and weather strip, aggregate value (sum of 2 and 5).....	10,304,063	14,996,304	28,186,570
Window and door screens:			
Metal.....	1,523,169	3,715,414	} 23,032,543
Wood.....	6,181,639	8,339,691	
Kind not specified.....	117,272		
Weather strip:			
Metal.....	1,712,788	2,340,781	} 5,154,027
Other.....	468,874	432,368	
Kind not specified.....	95,829		
Products not reported by kind.....	204,492	168,050	

WOOD PRESERVING

[A preliminary report for this industry was issued Nov. 6, 1936]

Description of the industry.—This industry embraces establishments engaged primarily in treating wood with creosote, zinc chloride, or other preservatives to prevent decay and for protection against insects. The treatment is applied either under pressure or by a non-pressure process. Among the products are railway ties, poles, paving blocks, etc. The treatment of battery separators and the staining of wood shingles are also included under this classification.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	185	185	211	199	-----	-7.0
Proprietors and firm members.....	6	2	(1)	7	(*)	(*)
Salaried personnel, total ²	848	(3)	(1)	1,413	(3)	-40.0
Salaried officers of corporations....	93	(2)	(1)	128	(3)	-27.3
Supervisory, technical, and clerical employees.....	4 755	4 673	(1)	1,285	12.2	-41.2
Salaries paid, total ²	\$1,662,676	(3)	(1)	\$3,621,564	(3)	-54.1
To salaried officers of corporations.	\$359,593	(3)	(1)	\$965,157	(3)	-62.7
To supervisory, technical, and clerical employees.....	4 \$1,303,083	4 \$1,241,540	(1)	\$2,656,407	5.0	-50.9
Wage earners (average for year) ⁴	8,985	7,027	9,700	13,077	27.9	-31.3
Wages.....	\$6,639,340	\$4,233,424	\$8,214,115	\$14,939,973	56.8	-55.6
Cost of materials, etc., total.....	\$59,765,063	\$31,086,959	\$85,140,571	\$147,702,724	92.3	-59.5
Cost of materials and supplies....	58,198,198	(1)	(1)	145,476,451	(1)	-60.0
Cost of fuel.....	1,241,878	(1)	(1)	1,803,706	(1)	-34.8
Cost of purchased electric energy....	324,987	(1)	(1)	322,567	(1)	.8
Value of products.....	80,367,755	43,944,811	106,514,215	190,944,645	82.9	-57.9
Value added by manufacture ⁷	20,602,692	12,857,852	21,373,644	43,241,921	60.2	-52.4

* Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 323; salaries, \$724,441. Technical, 68; salaries, \$127,074. Clerical, 364; salaries, \$451,568. See sec. 10, p. 7.

⁵ Supervisory, 287; salaries, \$706,160. Clerical and other, 386; salaries, \$535,380. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

CENSUS OF MANUFACTURES: 1935

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added by manufacture
United States...	185	848	8,985	\$1,662,676	\$6,639,340	\$59,765,063	\$80,367,755	\$20,602,692
Alabama.....	5	31	275	47,593	146,622	982,199	1,571,428	589,229
California.....	8	21	172	42,775	182,779	1,288,464	2,252,188	963,724
Florida.....	3	24	278	53,968	152,219	1,176,886	1,673,007	496,121
Georgia.....	7	36	430	72,664	232,305	1,613,733	2,453,362	839,629
Idaho.....	8	14	143	27,964	157,454	637,881	1,158,486	520,605
Illinois.....	12	52	684	94,372	475,974	3,602,113	4,345,118	743,005
Indiana.....	4	18	291	38,617	233,072	2,494,913	3,245,943	751,030
Kentucky.....	4	35	379	59,324	258,672	3,164,431	3,866,973	702,542
Louisiana.....	9	36	264	55,877	124,487	2,272,881	2,801,080	528,199
Minnesota.....	14	83	517	181,825	476,807	2,922,478	4,234,628	1,312,150
Mississippi.....	10	36	713	68,170	332,143	2,040,749	3,456,490	1,415,741
Montana.....	3	7	43	10,543	60,989	560,129	676,280	116,151
New York.....	6	31	178	54,085	133,611	1,416,087	1,767,368	351,281
Ohio.....	10	52	397	124,463	332,037	4,355,828	5,438,046	1,082,218
Oregon.....	4	22	227	50,838	231,474	1,207,806	1,674,810	467,004
Texas.....	10	100	1,113	195,652	709,262	4,769,130	7,840,891	3,071,761
Virginia.....	6	36	319	66,693	186,584	1,491,515	2,146,911	655,396
Washington.....	12	40	329	95,477	324,305	2,405,691	3,460,159	1,054,468
Other States ¹	50	174	2,235	321,776	1,888,544	21,362,149	26,304,587	4,942,438

¹ Arizona, 1 establishment; Arkansas, 1; Colorado, 2; Connecticut, 2; Delaware, 1; Kansas, 1; Maine, 1; Maryland, 2; Massachusetts, 2; Michigan, 6; Missouri, 4; New Hampshire, 1; New Jersey, 4; New Mexico, 2; North Carolina, 2; Oklahoma, 1; Pennsylvania, 3; South Carolina, 2; Tennessee, 3; West Virginia, 3; Wisconsin, 2; Wyoming, 4. See sec. 23, p. 12.

WOOD PRESERVING

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>	8,984	8,201	8,696	9,132	9,355	9,417	9,625	9,620	9,258	9,063	8,567	8,633
1933.....	7,027	6,433	6,659	6,763	6,596	7,035	7,360	7,310	7,357	7,532	7,370	7,387
<i>States, 1935</i>												
Alabama.....	275	279	285	287	258	274	277	296	291	266	256	255
California.....	172	156	183	190	188	162	165	187	173	160	174	174
Florida.....	278	260	269	291	313	283	312	240	249	260	252	276
Georgia.....	450	392	352	434	411	432	479	564	461	530	426	433
Idaho.....	143	103	113	104	147	173	171	177	164	168	145	123
Illinois.....	684	461	640	671	724	809	773	712	696	703	705	724
Indiana.....	291	260	276	281	306	305	309	320	331	318	271	280
Kentucky.....	273	270	372	382	362	377	386	392	383	375	375	419
Louisiana.....	264	308	273	274	290	245	238	247	253	247	263	235
Michigan.....	180	126	159	171	201	197	185	175	160	153	78	118
Minnesota.....	448	461	519	559	596	585	567	506	500	501	486	480
Mississippi.....	713	799	751	745	738	697	718	697	661	582	641	652
Missouri.....	138	137	147	150	164	158	167	174	165	151	138	140
Montana.....	43	23	47	49	40	27	74	66	49	17	45	50
New Jersey.....	98	68	92	92	106	117	125	118	105	88	83	76
New York.....	176	189	192	152	199	192	169	184	169	166	161	159
Ohio.....	397	344	408	414	441	428	428	440	422	392	370	370
Oregon.....	227	215	219	295	223	231	227	221	225	223	222	218
Pennsylvania.....	26	15	29	27	30	29	30	31	29	30	29	22
Tennessee.....	165	152	164	197	158	147	171	151	167	172	180	162
Texas.....	1,113	1,007	985	1,100	1,068	1,167	1,206	1,254	1,236	1,188	1,064	1,109
Virginia.....	319	304	329	305	356	310	354	352	302	324	263	297
Washington.....	329	281	305	337	327	273	341	368	384	376	336	343
West Virginia.....	108	102	101	106	119	111	124	112	106	117	83	72
Wyoming.....	161	165	155	159	151	159	152	180	180	154	151	156

1 As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, those for the United States and for New York differ slightly from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

TABLE 4.—FOREST PRODUCTS TREATED WITH PRESERVATIVES—VALUE, BY OWNERSHIP: 1929 TO 1935

	1935	1933	1931	1929
1. Wood-Preserving industry, all products, total value.....	\$80,367,755	\$43,944,811	\$106,514,215	\$190,944,645
2. Wood-preserving products.....	79,117,524	43,636,957	105,778,857	190,545,282
3. Other products (not normally belonging to the industry).....	1,250,231	307,854	735,358	399,363
4. Wood preserving done as a secondary activity in other industries.....	332,266	-----	-----	-----
Wood-preserving products, aggregate value (sum of 2 and 4).....	79,449,790	43,636,957	105,778,857	190,545,282
Forest products owned by establishments reporting—selling value after treatment.....	41,934,590	30,933,057	62,335,708	116,526,964
Forest products not owned by establishments reporting:				
Estimated value before treatment.....	27,333,824	8,135,560	29,401,342	50,443,287
Amount received for treatment.....	10,181,376	4,568,340	14,041,807	23,575,031

WOOD TURNED AND SHAPED AND OTHER WOODEN GOODS, NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued Mar. 9, 1937]

Description of the industry.—This industry embraces establishments engaged primarily in turning and shaping wood and in manufacturing wood handles, furniture turnings and shapes, textile-machinery turnings and shapes, and vehicle stock; rough-turned toys, toy parts, and novelties; turned and shaped woodenware, including wood dishes, skewers, clothespins, and clothes bars; ladders and scaffolding equipment; and miscellaneous turned and shaped wooden products.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	752	580	719	894	29.7	-15.9
Proprietors and firm members.....	445	291	(¹)	587	52.9	-24.2
Salaried personnel, total ²	2,308	(³)	(¹)	2,200	(³)	4.9
Salaried officers of corporations.....	578	(³)	(¹)	638	(³)	-9.4
Supervisory, technical, and clerical employees.....	⁴ 1,730	⁵ 1,285	(¹)	1,562	34.6	10.8
Salaries paid, total ²	\$4,419,188	(³)	(¹)	\$5,566,664	(³)	-20.6
To salaried officers of corporations.....	\$2,025,934	(³)	(¹)	\$2,700,127	(³)	-25.0
To supervisory, technical, and clerical employees.....	\$2,393,254	\$1,795,386	(¹)	\$2,866,537	33.3	-16.5
Wage earners (average for year) ⁶	21,522	15,500	17,020	18,712	38.9	15.0
Wages.....	\$16,079,670	\$10,147,467	\$14,601,533	\$18,616,688	58.5	-13.6
Cost of materials, etc., total.....	\$26,083,192	\$17,745,702	\$23,906,787	\$28,428,563	47.0	-8.3
Cost of materials and supplies.....	25,067,001	(¹)	(¹)	27,540,336	(¹)	-9.0
Cost of fuel.....	367,621	(¹)	(¹)	298,773	(¹)	23.0
Cost of purchased electric energy..	648,570	(¹)	(¹)	589,454	(¹)	10.0
Value of products.....	59,794,078	41,522,843	55,710,446	69,619,990	44.0	-14.1
Value added by manufacture ⁷	33,710,886	23,777,141	31,803,659	41,191,427	41.8	-18.2

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 592; salaries, \$1,215,873. Technical, 64; salaries, \$90,910. Clerical, 1,074; salaries, \$1,086,471. See sec. 10, p. 7.

⁵ Supervisory, 397; salaries, \$843,380. Clerical and other, 888; salaries, \$952,006. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

CENSUS OF MANUFACTURES: 1935

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaries of officers and employes	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added by manufacture
United States.....	752	2, 308	21, 522	\$4, 419, 188	\$16, 079, 670	\$26, 083, 192	\$59, 794, 078	\$33, 710, 886
Alabama.....	11	12	117	13, 094	53, 112	70, 982	180, 012	109, 030
Arkansas.....	22	88	1, 169	140, 359	709, 829	1, 460, 516	3, 198, 159	1, 737, 643
California.....	30	36	258	41, 276	237, 092	334, 036	928, 186	594, 156
Connecticut.....	12	14	115	22, 583	90, 829	185, 014	404, 217	219, 203
Georgia.....	4	3	183	3, 873	36, 383	45, 364	96, 277	50, 913
Illinois.....	48	139	872	301, 401	745, 372	986, 286	2, 533, 522	1, 547, 236
Indiana.....	25	112	659	207, 224	518, 166	988, 304	2, 125, 744	1, 157, 440
Iowa.....	7	24	90	33, 145	49, 423	165, 069	322, 727	157, 658
Kentucky.....	11	42	321	85, 725	192, 994	312, 389	715, 381	402, 992
Louisiana.....	5	26	251	56, 655	155, 140	231, 393	625, 032	343, 639
Maine.....	56	196	2, 489	392, 871	1, 915, 357	2, 075, 595	5, 517, 255	3, 441, 660
Maryland.....	4	7	79	19, 567	44, 490	64, 379	175, 503	110, 924
Massachusetts.....	39	77	640	167, 614	555, 423	754, 141	2, 142, 082	1, 387, 941
Michigan.....	38	156	1, 356	281, 599	1, 070, 229	1, 381, 073	3, 360, 549	1, 979, 476
Mississippi.....	5	8	142	15, 770	88, 982	121, 485	295, 964	174, 479
Missouri.....	23	51	513	87, 600	335, 056	603, 008	1, 284, 977	681, 969
New Hampshire.....	34	58	857	130, 639	661, 548	838, 893	2, 040, 688	1, 201, 795
New Jersey.....	14	32	130	66, 413	105, 382	203, 784	525, 485	261, 701
New York.....	89	209	1, 385	553, 392	1, 238, 937	1, 948, 033	4, 824, 205	2, 876, 172
North Carolina.....	25	34	369	60, 578	209, 027	313, 959	769, 948	455, 959
Ohio.....	45	216	1, 437	379, 872	1, 122, 771	2, 309, 184	4, 770, 038	2, 460, 854
Oregon.....	10	19	94	33, 930	93, 373	180, 692	380, 470	199, 778
Pennsylvania.....	47	132	1, 151	237, 114	908, 277	1, 311, 418	2, 916, 369	1, 604, 951
Rhode Island.....	4	9	52	14, 497	47, 393	81, 458	170, 229	88, 771
South Carolina.....	4	6	46	8, 054	33, 007	44, 152	115, 607	71, 455
Tennessee.....	30	238	3, 601	387, 658	2, 516, 305	4, 840, 479	10, 131, 132	5, 290, 653
Texas.....	5	7	64	4, 883	35, 510	63, 474	130, 875	67, 401
Vermont.....	42	91	966	163, 074	737, 154	1, 184, 348	2, 767, 757	1, 583, 409
Virginia.....	14	61	478	115, 664	287, 779	383, 893	981, 497	597, 604
Washington.....	14	72	434	127, 817	448, 361	1, 267, 100	2, 384, 602	1, 117, 502
Wisconsin.....	21	71	410	124, 845	283, 377	452, 546	1, 049, 658	597, 112
Other States ¹	14	62	797	140, 402	565, 592	790, 515	1, 929, 931	1, 139, 416

¹ Delaware, 1 establishment; Florida, 1; Kansas, 1; Minnesota, 4; Nebraska, 1; Oklahoma, 2; and West Virginia, 4. See sec. 23, p. 12.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935

[See secs. 11 and 23, pp. 7 and 12]

	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>	21,698	21,911	22,516	22,524	21,775	21,150	20,415	19,900	21,114	22,187	22,457	22,387
1933.....	15,500	(*)	12,335	(*)	(*)	14,886	(*)	(*)	18,517	(*)	(*)	17,512
<i>States, 1935</i>												
Alabama.....	117	113	113	112	129	126	116	107	111	124	108	130
Arkansas.....	1,169	1,325	1,345	1,132	1,157	1,067	692	972	1,050	1,178	1,236	1,278
California.....	258	228	243	250	260	251	257	262	263	277	296	283
Connecticut.....	116	114	123	123	122	108	98	87	114	119	123	142
Georgia.....	183	161	189	188	192	192	194	192	201	178	173	178
Illinois.....	874	770	839	852	865	798	648	904	978	951	999	952
Indiana.....	793	712	788	772	786	748	731	613	724	691	779	763
Iowa.....	60	46	56	58	50	33	65	65	66	68	67	68
Kentucky.....	390	317	319	320	340	351	302	317	284	306	335	343
Louisiana.....	251	266	264	262	258	259	242	236	248	238	244	247
Maine.....	2,481	2,811	2,838	2,630	2,471	2,300	2,375	2,271	2,258	2,261	2,143	2,280
Maryland.....	70	45	40	51	51	39	100	100	89	81	89	87
Massachusetts.....	640	697	688	697	644	630	614	617	597	678	715	687
Michigan.....	1,363	1,210	1,269	1,302	1,269	1,302	1,317	1,368	1,466	1,556	1,551	1,433
Minnesota.....	382	427	450	369	492	427	365	317	317	347	261	238
Mississippi.....	142	133	107	107	144	143	117	107	166	172	173	170
Missouri.....	510	491	534	511	466	483	473	498	548	548	539	560
New Hampshire.....	855	866	870	860	800	821	841	861	824	800	896	900
New Jersey.....	131	136	140	124	121	121	123	123	132	132	138	140
New York.....	1,385	1,356	1,373	1,341	1,463	1,404	1,346	1,279	1,301	1,459	1,516	1,464
North Carolina.....	373	377	398	390	391	392	408	380	381	346	347	320
Ohio.....	1,444	1,434	1,459	1,478	1,465	1,365	1,370	1,370	1,409	1,659	1,646	1,363
Oregon.....	94	87	91	91	91	89	88	90	90	104	105	99
Pennsylvania.....	1,151	1,168	1,218	1,161	1,161	1,138	1,079	1,136	1,136	1,180	1,209	1,124
Rhode Island.....	52	49	55	50	52	52	49	52	53	52	57	57

For footnotes, see end of table.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935—Continued

[See secs. 11 and 23, pp. 7 and 12]

	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
Average number employed during year ¹	46	43	50	44	42	43	38	47	37	46	54	50
United States.....	3,601	3,687	3,721	3,947	3,649	3,547	3,249	3,079	3,507	3,026	3,688	4,087
Tennessee.....	64	33	74	74	79	55	53	80	74	90	84	68
Texas.....	967	978	986	981	983	981	912	843	942	1,000	1,034	1,028
Virginia.....	478	520	514	512	513	503	454	390	392	451	481	488
Washington.....	484	475	434	406	406	359	357	291	519	510	509	461
West Virginia.....	277	306	284	290	267	254	243	256	262	265	283	268
Wisconsin.....	410	425	428	447	406	429	422	377	369	389	413	453

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

¹ As the 1935 averages given in this table are derived from 12 figures for the 12 months in the calendar year, they differ somewhat from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year.

WOOD TURNED AND SHAPED AND OTHER WOODEN GOODS 529

TABLE 4.—PRODUCTS, BY KIND AND VALUE: 1935, 1931, AND 1929

[No detailed production figures for 1933 are available]

	1935	1931	1929
1. Wood Turned and Shaped and Other Wooden Goods, Not Elsewhere Classified industry, all products, total value....	\$59,794,078	\$55,710,446	\$69,619,990
2. Wood turned and shaped and other wooden goods.....	56,425,440	51,636,203	65,046,378
3. Other products (not normally belonging to the industry).....	3,123,314	3,406,581	3,448,489
4. Receipts for custom and contract work.....	245,324	667,662	1,125,123
5. Wood turned and shaped and other wooden goods made as secondary products in other industries.....	9,392,490	4,680,241	5,151,155
Wood turned and shaped and other wooden goods, aggregate value (sum of 2 and 5).....	65,817,930	56,316,444	70,197,533
Handles (finished), total.....	11,382,982	9,171,691	16,223,870
Tool and implement.....	7,464,021	5,243,617	11,526,381
Other.....	3,832,679	3,668,622	4,247,915
Not specified.....	86,282	259,452	449,574
Woodenware—bowls, dishes, pastry boards, clothespins, ironing boards, clothes racks, washboards, toothpicks, skewers, etc.....	7,727,064	9,079,202	13,045,158
Textile-machinery turnings and shapes.....	5,533,793	4,748,701	6,490,967
Furniture turnings and shapes.....	2,511,349	3,187,860	7,612,176
Ladders and parts.....	2,542,363	2,845,759	5,345,167
Scaffolding equipment (other than ladders), horses, scaffold jacks, extension planks, window jacks, etc.....	184,407	155,078	208,076
Toys, toy parts, and novelties, roughturned and shaped.....	1,246,189	2,574,162	3,053,391
Vehicle stock.....	18,415,493	16,098,531	18,218,728
Wooden beads.....	82,188	8,455,460	
Wood flour.....	325,907		
Other products and products not reported by kind.....	15,866,195		

Group 4.—PAPER AND ALLIED PRODUCTS

THE INDUSTRIES AS A GROUP

[See p. 42]

For Census purposes, establishments engaged primarily in the manufacture of pulp and of paper and paperboard and those engaged primarily in the further manufacture of paper and paperboard into commodities such as boxes, bags, etc. (designated as "converted paper products"), are assigned to separate subgroups in the major industry group "Paper and Allied Products." Although the manufacture of converted paper products is carried on to a considerable extent in paper mills, the establishments engaged solely or primarily in this line of manufacture purchase their principal materials—paper and paperboard—from paper mills. Thus the products of the first of these subgroups become the materials for the second, and as a result there are large amounts of duplication in the figures for cost of materials and for value of products for the group as a whole.

SUMMARY FOR GROUP 4.—PAPER AND ALLIED PRODUCTS: 1929 TO 1935

INDUSTRY	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (aver- age for the year)	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manu- facture ¹
Aggregate for the group-----	1935	2,945	235,665	\$235,724,527	\$85,720,310	\$1,523,186,440	\$637,466,130
	1933	2,697	196,380	172,841,982	654,646,541	1,172,742,984	518,096,443
	1931	2,883	194,581	214,337,492	758,010,033	1,357,582,014	599,571,981
	1929	3,126	233,393	287,330,792	1,092,722,103	1,892,251,148	799,529,045
Paper and pulp, total-----	1935	779	126,971	133,601,520	525,289,707	879,001,560	353,711,853
	1933	781	107,298	99,194,024	393,663,024	695,654,391	301,991,367
	1931	² 848	107,902	126,885,792	495,088,615	851,530,240	356,441,625
	1929	883	128,049	173,077,781	723,360,707	1,206,114,305	482,753,598
Pulp (wood and other fiber)...	1935	188	23,627	23,401,212	96,176,352	167,208,261	71,031,909
	1933	181	20,074	18,103,342	81,896,058	134,691,766	52,795,708
	1931	² 198	20,219	22,843,982	110,668,220	166,559,043	55,890,823
	1929	198	24,729	32,679,407	148,752,729	238,928,279	90,175,550
Paper-----	1935	591	103,344	110,200,308	429,113,355	711,793,299	282,679,944
	1933	600	87,224	81,090,682	311,766,966	560,962,625	249,195,659
	1931	650	87,683	104,041,810	384,420,395	684,971,197	300,550,802
	1929	685	103,320	140,398,374	574,607,978	967,186,026	392,578,048
Converted paper prod- ucts, total-----	1935	2,166	108,694	102,123,007	360,430,603	644,184,880	283,754,277
	1933	1,916	89,082	73,647,958	260,983,517	477,088,593	216,105,076
	² 1931	2,069	89,186	89,935,667	271,005,073	520,921,231	249,916,158
	³ 1929	2,243	105,344	114,253,011	369,361,396	686,136,843	316,775,447

For footnotes, see end of table.

PAPER AND ALLIED PRODUCTS

531

SUMMARY FOR GROUP 4.—PAPER AND ALLIED PRODUCTS: 1929 TO 1935—Con.

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹
Bags, paper, exclusive of those made in paper mills...	1935	107	9, 120	\$8, 037, 966	\$41, 727, 454	\$65, 563, 696	\$23, 836, 242
	1933	96	7, 665	5, 812, 998	29, 295, 537	49, 379, 367	20, 083, 830
	1931	95	6, 836	6, 422, 669	33, 426, 725	54, 290, 800	20, 864, 075
	1929	95	6, 970	6, 661, 235	43, 238, 392	64, 621, 192	21, 382, 800
Boxes, paper, not elsewhere classified.....	1935	1, 214	55, 276	50, 578, 531	168, 531, 320	298, 648, 440	130, 117, 120
	1933	1, 104	47, 220	37, 613, 844	126, 325, 719	223, 004, 260	96, 678, 541
	1931	1, 214	46, 722	44, 085, 214	113, 251, 004	217, 871, 622	104, 620, 618
	1929	1, 249	55, 654	57, 109, 700	159, 839, 577	294, 253, 296	134, 413, 719
Cardboard, not made in paper mills.....	1935	16	628	640, 592	1, 946, 808	3, 694, 423	1, 747, 615
	1933	12	492	451, 880	1, 405, 576	2, 793, 437	1, 387, 861
	1931	12	520	598, 742	1, 656, 009	3, 593, 766	1, 937, 757
	1929	13	609	819, 178	2, 665, 258	5, 629, 498	2, 964, 240
Card cutting and designing...	1935	76	2, 951	2, 845, 282	7, 699, 245	17, 215, 837	9, 516, 591
	1933	64	1, 804	1, 534, 938	4, 029, 475	10, 137, 700	6, 108, 225
	1931	72	2, 041	2, 407, 951	6, 673, 843	15, 953, 282	9, 279, 439
	1929	70	2, 338	2, 725, 047	9, 285, 931	19, 648, 179	10, 362, 248
Envelopes.....	1935	166	9, 038	9, 086, 718	20, 752, 636	43, 618, 372	22, 865, 736
	1933	163	7, 981	6, 754, 947	15, 917, 974	33, 895, 511	17, 977, 537
	1931	162	8, 924	9, 658, 173	22, 452, 160	46, 943, 261	24, 491, 101
	1929	171	10, 367	11, 526, 849	29, 927, 683	61, 286, 992	31, 359, 309
Labels and tags ⁴	1929	153	4, 474	5, 868, 952	10, 555, 674	28, 042, 325	17, 486, 651
Paper goods not elsewhere classified.....	1935	547	27, 416	26, 447, 999	109, 883, 484	195, 786, 440	85, 902, 956
	1933	438	20, 681	18, 363, 661	77, 158, 157	142, 078, 804	64, 920, 647
	1931	464	20, 409	22, 708, 969	84, 395, 020	162, 074, 388	77, 679, 368
	1929	436	20, 227	23, 810, 118	100, 368, 676	182, 647, 712	82, 279, 036
Wall paper.....	1935	40	4, 265	4, 485, 919	9, 889, 655	19, 657, 672	9, 768, 017
	1933	39	3, 239	3, 115, 690	6, 851, 079	15, 799, 514	8, 948, 435
	1931	50	3, 734	3, 993, 949	9, 150, 312	20, 194, 112	11, 043, 800
	1929	56	4, 705	5, 731, 932	13, 480, 205	30, 007, 649	16, 527, 444

¹ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 18, p. 11.

² Revised; revision not carried into aggregate for group.

³ Figures for 1929 are not strictly comparable with those for subsequent years because of abandonment of "Labels and Tags" as an industry classification. See footnote 4.

⁴ Abandoned as a separate classification at the census for 1931. Most of the establishments formerly classified in "Labels and Tags" are now assigned to the "Printing, Publishing, and Allied Industries" group.

410

PULP (WOOD AND OTHER FIBER)

[A preliminary report for this industry was published Dec. 18, 1936]

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of pulp from wood and other fiber. The greater part of the pulp produced is consumed in paper mills operated by the same establishments.

Annual pulpwood-consumption and wood-pulp-production statistics.—In addition to the Biennial Census statistics, tables 5, 6, 7, 8, 9, and 11 give figures based on data collected in the special canvass covering pulpwood consumption and wood-pulp production in the even-numbered years, conducted by the Bureau of the Census in cooperation with the Forest Service, Department of Agriculture.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (-)	
					1933-1935	1929-1935
Number of establishments ¹	188	181	198	198	3.9	-5.1
Proprietors and firm members.....	1	1	(²)	11	-----	(³)
Salaried personnel, total ⁴	2,071	(⁴)	(²)	1,885	(⁴)	9.9
Salaried officers of corporations....	88	(⁴)	(²)	81	(⁴)	(³)
Supervisory, technical, and clerical employees.....	⁵ 1,983	⁶ 1,573	(²)	1,804	26.1	9.9
Salaries paid, total ³	\$4,826,156	(⁴)	(²)	\$5,844,301	(⁴)	-17.4
To salaried officers of corporations.	\$652,455	(⁴)	(²)	\$810,840	(⁴)	-19.5
To supervisory, technical, and clerical employees.....	⁵ \$4,173,701	⁶ \$3,292,879	(²)	\$5,033,461	26.7	-17.1
Wage earners (average for year) ⁷	23,627	20,074	20,219	24,729	17.7	-4.5
Wages.....	\$23,401,212	\$18,103,342	\$22,843,982	\$32,673,407	29.3	-28.4
Cost of materials, etc., total ⁸	96,176,352	81,896,058	110,668,220	148,752,729	(⁹)	(⁹)
Cost of materials and supplies....	93,342,119	(²)	(²)	134,422,319	(⁹)	-30.6
Cost of fuel ⁹	1,830,502	(²)	(²)	14,330,410	(⁹)	(⁹)
Cost of purchased electric energy ⁸	1,003,731	(²)	(²)	(¹⁰)	(⁹)	-----
Value of products.....	167,208,261	134,691,766	166,550,043	238,928,279	24.1	-30.0
Value added by manufacture ¹¹	71,031,909	52,795,708	55,890,823	90,175,550	(⁹)	(⁹)

* Percent not computed where base is less than 100.

¹The 188 establishments reporting for 1935 operated 190 mills, including 6 that manufactured pulp from materials other than wood. The 181 establishments reporting for 1933 operated 185 mills, including 8 that manufactured pulp from materials other than wood. The 198 establishments reporting for 1931 operated 204 mills, including 5 that manufactured pulp from materials other than wood. The 198 establishments covered by the 1929 census operated 208 mills, including 3 that used materials other than wood. ²No data.

³No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7. ⁴Data incomplete.

⁵Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 754; salaries, \$2,219,825. Technical, 345; salaries, \$741,770. Clerical, 884; salaries, \$1,212,106. See sec. 10, p. 7.

⁶Supervisory, 699; salaries, \$2,018,913. Clerical and other, 904; salaries, \$1,273,966. See sec. 10, p. 7.

⁷See sec. 11, p. 7.

⁸Figures for fuel and purchased electric energy for 1935 refer only to consumption by pulp mills not operated in connection with paper mills. Figures for 1933 and 1931 included partial data for fuel and electric energy consumed by pulp mills operated in connection with paper mills, and those for 1929 include approximately complete data for fuel consumed by such mills.

⁹Figures for prior years not comparable with those for 1935. (See footnotes 8 and 10.)

¹⁰Included with cost of energy for paper industry. (See table 1, p. 540.)

¹¹Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 1, 3, and 11, table 1]

	Number of establishments	Salaries of officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy ¹	Value of products	Value added by manufacture ¹
United States.....	188	2,071	23,627	\$4,826,156	\$23,401,212	\$96,176,352	\$167,208,261	\$71,031,909
Louisiana.....	6	92	1,612	151,203	1,454,014	4,394,135	9,650,269	5,286,134
Maine.....	25	265	3,286	649,376	3,325,208	14,021,118	22,759,007	8,737,889
Michigan.....	10	101	940	234,673	888,033	3,448,088	5,620,406	2,172,318
Minnesota.....	7	96	803	201,474	861,298	3,401,596	5,507,834	2,106,238
New York.....	39	200	2,137	442,602	2,210,184	8,483,345	13,116,454	4,633,109
Oregon.....	7	51	998	97,876	963,142	3,651,684	5,878,582	2,226,898
Pennsylvania.....	8	74	1,152	205,323	1,090,419	4,297,459	7,349,160	3,051,701
Tennessee.....	6	68	727	165,611	611,134	2,027,889	7,380,298	4,452,409
Vermont.....	3	4	73	14,951	56,922	151,327	249,224	97,897
Virginia.....	9	127	1,645	373,638	1,348,627	8,391,145	13,178,602	4,787,457
Washington.....	17	419	3,047	998,082	3,521,651	14,024,744	26,207,541	12,182,797
Wisconsin.....	27	252	3,041	615,440	2,874,665	12,272,607	21,398,605	9,125,998
Other States ²	24	322	4,166	675,907	4,195,915	16,711,215	28,882,279	12,171,064

¹ See footnotes 8 and 9, table 1.² Alabama, 3 establishments; Arkansas, 1; Florida, 1; Maryland, 1; Massachusetts, 3; Mississippi, 2; Missouri, 1; New Hampshire, 3; North Carolina, 3; Ohio, 2; South Carolina, 1; and West Virginia, 3.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 (See secs. 11 and 23, pp. 7 and 12)

	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>												
1935.....	23,272	23,391	23,925	23,979	23,751	23,601	23,713	23,810	23,436	23,372	23,550	23,705
1933.....	17,761	17,870	17,681	17,973	18,449	18,911	19,421	20,900	22,736	23,091	23,027	23,072
<i>States, 1935</i>												
Alabama.....	484	493	494	494	503	514	511	519	515	316	393	534
Louisiana.....	1,456	1,456	1,357	1,510	1,498	1,462	1,757	1,745	1,711	1,762	1,771	1,786
Maine.....	3,297	3,326	3,329	3,272	3,211	3,326	3,356	3,350	3,235	3,193	3,262	3,362
Massachusetts.....	3,111	3,113	3,225	3,140	3,122	108	106	106	109	110	112	109
Michigan.....	834	883	952	1,037	909	985	1,015	935	972	937	918	903
Minnesota.....	732	715	791	781	791	810	815	880	843	829	823	826
New Hampshire.....	1,049	1,070	1,082	1,127	1,154	1,188	1,164	1,192	1,011	1,245	1,217	1,138
New York.....	2,145	2,141	2,204	2,189	2,208	2,123	2,091	2,053	2,075	2,067	2,123	2,131
North Carolina.....	403	417	405	408	409	409	408	436	404	408	412	403
Oregon.....	943	973	1,006	1,035	1,095	1,110	949	940	921	857	1,046	1,069
Pennsylvania.....	1,121	1,161	1,233	1,180	1,066	1,095	1,133	1,240	1,229	1,201	1,105	1,088
Tennessee.....	727	692	774	732	741	707	743	724	721	749	713	712
Vermont.....	94	85	56	96	98	66	45	44	46	59	92	93
Virginia.....	1,672	1,671	1,687	1,633	1,622	1,647	1,641	1,653	1,652	1,621	1,642	1,632
Washington.....	3,201	3,127	3,110	3,183	3,222	2,943	2,919	2,931	2,979	2,973	2,947	2,983
West Virginia.....	552	557	561	557	555	548	553	523	517	425	408	401
Wisconsin.....	3,054	3,083	3,166	3,113	3,043	3,048	2,977	2,912	2,991	3,056	3,050	3,017

¹ As the averages given in this table are derived from the figures for the 12 months in the calendar year, they differ somewhat from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

TABLE 4.—PULP PRODUCTION, BY PROCESS, FOR CONSUMPTION¹ AND FOR SALE BY QUANTITY AND VALUE, FOR THE UNITED STATES: 1935 AND 1933

PROCESS	1935		1933	
	Quantity (tons, 2,000 pounds)	Value (f. o. b. mill)	Quantity (tons, 2,000 pounds)	Value (f. o. b. mill)
Pulp (wood and other fiber) industry, all products, total value.....		\$167, 208, 261		\$134, 691, 766
Pulp.....	5, 032, 299	165, 322, 871	4, 365, 668	132, 471, 475
Products other than pulp (not normally belonging to the industry).....		1, 885, 390		2, 220, 291
Pulp (wood and other fiber), aggregate.....	5, 032, 299	165, 322, 871	4, 365, 668	132, 471, 475
For consumption ¹	4, 117, 472	117, 241, 486	² 3, 705, 221	² 104, 300, 691
For sale.....	914, 827	48, 081, 385	660, 447	28, 170, 784
Wood pulp, total.....	4, 925, 669	149, 981, 900	4, 276, 204	124, 072, 465
For consumption.....	4, 076, 841	112, 598, 940	² 3, 664, 556	² 100, 873, 366
For sale.....	848, 828	37, 382, 960	611, 648	23, 199, 099
Mechanical, total.....	1, 355, 819	24, 972, 104	1, 197, 553	23, 612, 012
For consumption.....	1, 326, 529	24, 283, 573	1, 174, 001	23, 083, 778
For sale.....	29, 290	688, 531	23, 552	528, 234
Sulphite-fiber, bleached, total.....	³ 944, 620	³ 48, 516, 098	726, 473	33, 366, 152
For consumption.....	504, 476	24, 852, 071	478, 135	22, 079, 544
For sale.....	440, 144	23, 664, 027	248, 338	11, 286, 608
Sulphite-fiber, unbleached, total.....	634, 947	21, 909, 660	601, 102	21, 142, 621
For consumption.....	483, 256	16, 970, 176	454, 076	15, 800, 267
For sale.....	151, 691	4, 939, 484	147, 026	5, 342, 354
Sulphate-fiber, total.....	1, 467, 749	36, 008, 886	1, 259, 351	29, 095, 663
For consumption.....	1, 367, 123	33, 036, 285	1, 171, 545	26, 929, 657
For sale.....	100, 626	2, 972, 601	87, 806	2, 166, 006
Soda-fiber and semichemical, total ⁴	485, 162	18, 165, 468	457, 790	16, 471, 331
For consumption.....	372, 110	13, 216, 422	} (5)	(5)
For sale.....	113, 052	4, 949, 046		
Screenings, mechanical, for consumption.....	3, 902	22, 146	² 4, 243	² 45, 499
Screenings, chemical, total.....	33, 470	287, 538	26, 692	339, 187
For consumption.....	19, 445	218, 267	19, 572	232, 947
For sale.....	14, 025	169, 271	10, 120	106, 240
Other pulp, total ⁶	106, 630	15, 340, 971	89, 464	8, 399, 010
For consumption.....	40, 631	4, 642, 546	40, 665	3, 427, 325
For sale.....	65, 999	10, 698, 425	48, 799	4, 971, 685

¹ Figures for "consumption" refer to wood pulp made and consumed in the same plants or transferred to and consumed in other plants operated by the same companies.

² Data for a small quantity of mechanical screenings produced for sale have been included to avoid disclosing approximations of amounts made for sale by individual establishments.

³ Sulphite-fiber, bleached:

KIND	Tons	Value
Superpurified.....	63, 066	\$4, 817, 774
Rayon and special chemical grades.....	126, 470	7, 170, 113
Other bleached.....	755, 084	36, 528, 211

⁴ Combined to avoid disclosing production by an individual establishment.

⁵ No data.

⁶ Principally cottonseed-hull-fiber pulp, cotton-linter pulp, rag pulp, and reclaimed-paper pulp.

TABLE 5.—WOOD-PULP PRODUCTION, BY PROCESS, BY QUANTITY, FOR THE UNITED STATES: 1935, 1934, 1933, AND 1929

[Tons, 2,000 pounds]

YEAR	Total ¹	Mechanical ¹	Sulphite ¹	Sulphate ¹	Soda and semichemical ^{1 2}
1935.....	4,925,669	1,359,721	1,605,690	1,472,735	487,523
1934.....	4,436,128	1,298,204	1,472,306	1,253,662	341,956
1933.....	4,276,204	1,201,796	1,353,088	1,261,828	234,592
1929.....	4,862,885	1,649,112	1,737,085	915,478	561,210

¹ Figures for all years include data for screenings. Amounts reported for 1935 are as follows: Mechanical, 3,902; chemical, 33,470.

² Bleached and unbleached soda and semichemical; combined to avoid disclosing approximations of production of individual establishments. Figure for 1933 includes data for 346,738 tons of bleached soda pulp.

³ Includes data for a small quantity of low-grade wood pulp not reported by process.

TABLE 6.—WOOD-PULP PRODUCTION—PERCENT PRODUCED BY EACH PROCESS, FOR THE UNITED STATES: 1935, 1934, 1933, AND 1929

YEAR	Total wood pulp produced, tons (2,000 pounds)	PERCENT OF TOTAL PRODUCED BY SPECIFIED PROCESS ¹				Percent of screenings in total
		Mechanical	Sulphite	Sulphate	Soda and semichemical	
1935.....	4,925,669	27.5	32.1	29.9	9.8	0.8
1934.....	4,436,128	29.2	32.6	28.1	9.3	0.8
1933.....	4,276,204	28.0	31.0	29.5	10.7	0.8
1929.....	4,862,885	33.7	34.6	18.8	11.5	1.4

¹ Calculated from figures in table 5, data for screenings being excluded from dividends but included in divisors.

TABLE 7.—WOOD-PULP PRODUCTION—AVERAGE VALUE PER TON, FOR THE UNITED STATES: 1935, 1934, 1933, AND 1929

YEAR	MECHANICAL		SULPHITE					SULPHATE		Soda, semichemical, and other ¹
	Not steamed	Steamed	Unbleached	Total bleached	Superpurified	Rayon and special chemical grades	Other bleached	Unbleached	Bleached	
1935.....	\$18.44	\$18.24	\$34.51	\$51.36	\$76.39	\$56.69	\$48.38	\$23.29	\$37.62	(¹)
1934.....	17.76	18.79	33.92	50.67	(²)	(²)	(²)	21.50	41.27	(¹)
1933.....	19.71	19.76	35.17	45.92	(²)	(²)	(²)	22.25	39.06	(¹)
1929.....	27.55	40.46	48.39	73.99	(²)	(²)	(²)	(¹)	(¹)	(¹)

¹ In order to avoid disclosing approximations of data for individual establishments, averages for the following combinations are given: Soda, unbleached and bleached—1935, \$41.18; 1929, \$65.41. Soda, unbleached—1934, \$29.47; 1933, \$28.48. Soda, bleached—1934, \$42.84; 1933, \$42.49. Semichemical—1935, \$12.83; 1934, \$12.68; 1933, \$12.09; 1929, \$19.70. Sulphate, unbleached and bleached—1929, \$40.51.

² No data.

TABLE 8.—PULPWOOD CONSUMPTION, BY QUANTITY AND COST, FOR THE UNITED STATES: 1935, 1934, 1933, AND 1929

YEAR	Cords	cost (f. o. b. mill)	
		Total	Average per cord
1935.....	7,628,274	\$58,243,652	\$7.64
1934.....	6,796,659	52,505,807	7.73
1933.....	6,581,674	48,507,790	7.37
1929.....	7,645,011	100,054,139	13.09

TABLE 9.—PULPWOOD CONSUMPTION, BY QUANTITY AND COST, BY KIND OF WOOD, FOR THE UNITED STATES: 1935, 1934, AND 1933

KIND OF WOOD	1935		1934		1933	
	Cords	Cost	Cords	Cost	Cords	Cost
Total.....	7,628,274	\$58,243,652	6,796,659	\$52,505,807	6,581,674	\$48,507,790
Spruce:						
Domestic.....	1,755,112	17,906,240	1,535,299	15,631,934	1,495,061	15,794,350
Imported.....	625,462	7,835,799	638,127	7,619,226	576,000	6,927,426
Yellow pine, Southern.....	1,785,228	8,527,145	1,459,171	6,758,719	1,560,414	6,864,202
Hemlock, domestic and imported ¹	1,521,271	10,234,560	1,428,116	9,906,195	1,112,556	6,764,330
Poplar:						
Domestic.....	333,773	2,661,247	241,001	1,951,108	353,438	3,494,228
Imported.....	54,283	604,664	92,271	928,357		
Balsam fir:						
Domestic.....	298,812	2,597,798	290,385	2,573,743	261,466	2,018,343
Imported.....	54,313	583,266	86,647	998,588	41,465	446,593
Jack pine.....	224,538	1,779,425	218,116	1,637,493	178,974	1,223,037
White fir.....	174,075	880,728	98,166	511,898	154,847	620,510
Beech, birch, and maple.....	152,054	1,280,443	83,996	717,216	93,032	846,715
Tamarack (larch).....	9,587	69,638	12,267	90,065	21,844	147,479
Gum.....	29,299	191,893	376,653	2,251,942	252,436	1,606,622
Other woods ²	317,675	1,867,727				
Slabs and mill waste.....	292,792	1,223,079	236,444	929,323	480,141	1,753,955

¹ Combined to avoid disclosing quantity consumed by an individual establishment.

² For 1935, domestic basswood, chestnut, cottonwood, Douglas fir, white pine, willow, yellow poplar, and miscellaneous hardwoods not reported separately, and imported beech, birch, and maple. For earlier years, see published reports.

TABLE 10.—PULPWOOD CONSUMPTION, BY QUANTITY AND COST, BY KIND OF WOOD AND BY CONDITION IN WHICH PURCHASED, FOR THE UNITED STATES: 1935

KIND OF WOOD	TOTAL		ROUGH		PEELED AND ROSSSED	
	Cords	Cost	Cords	Cost	Cords	Cost
Total.....	7, 628, 274	\$58, 243, 652	3, 700, 672	\$23, 529, 161	3, 927, 602	\$34, 714, 491
Spruce:						
Domestic.....	1, 755, 112	17, 906, 240	723, 437	6, 816, 305	1, 031, 675	11, 089, 035
Imported.....	625, 462	7, 835, 799	146, 784	1, 903, 012	478, 678	5, 932, 787
Yellow pine, Southern.....	1, 785, 228	8, 527, 145	1, 486, 632	6, 259, 225	298, 596	2, 267, 920
Hemlock, domestic and imported ¹	1, 521, 271	10, 234, 560	732, 078	4, 763, 459	789, 193	5, 471, 101
Balsam fir:						
Domestic.....	298, 812	2, 597, 798	167, 166	1, 321, 104	185, 959	1, 859, 960
Imported.....	54, 313	583, 266				
Jack pine ²	224, 538	1, 779, 425	109, 230	779, 667	115, 308	999, 758
White fir ²	174, 075	880, 728	101, 476	471, 974	72, 599	408, 754
Poplar:						
Domestic.....	333, 773	2, 661, 247	161, 097	1, 058, 038	735, 574	5, 617, 574
Imported.....	54, 283	604, 664				
Beech, birch, and maple ²	152, 054	1, 280, 443	72, 772	156, 377	220, 020	1, 066, 702
Tamarack (larch) ²	9, 587	69, 638				
Gum ²	29, 299	191, 893				
Other woods ³	317, 675	1, 867, 727				
Slabs and mill waste.....	292, 792	1, 223, 079				

¹ See table 9, footnote 1.² Domestic only.³ See table 9, footnote 2.

TABLE 11.—PULPWOOD CONSUMPTION—PERCENT REDUCED BY EACH PROCESS, FOR THE UNITED STATES: 1935, 1934, 1933, AND 1929

YEAR	Total pulpwood consumed (cords)	PERCENT OF TOTAL REDUCED BY SPECIFIED PROCESS				
		Mechanical	Sulphite	Sulphate	Soda	Semi-chemical
1935.....	7, 628, 274	16. 6	40. 8	31. 8	9. 3	1. 5
1934 ¹	6, 796, 659	17. 7	41. 8	29. 8	9. 3	1. 5
1933.....	6, 581, 674	16. 9	39. 0	32. 2	10. 1	1. 8
1929.....	7, 645, 011	20. 4	44. 5	22. 3	12. 1	0. 7

¹ Although the percentages for 1934 do not add to exactly 100, each of them is correct to the nearest tenth

TABLE 12.—PULPWOOD CONSUMPTION, BY QUANTITY AND COST, AND WOOD-
PULP PRODUCTION, BY QUANTITY AND VALUE, BY STATES: 1935

STATE	WOOD CONSUMED		PULP PRODUCED	
	Cords	Cost	Tons (2,000 pounds)	Value
United States.....	7,628,274	\$58,243,652	4,925,669	\$149,981,900
Northeastern and Central States, ¹ total.....	2,414,073	24,690,924	1,710,550	56,007,855
Maine.....	1,084,079	10,377,010	848,176	22,678,344
New York.....	524,356	6,519,440	403,932	12,089,905
Pennsylvania.....	263,789	3,044,555	152,182	7,240,360
Vermont.....	11,992	133,878	13,003	249,224
Other Northeastern and Central States ²	529,857	4,616,031	293,257	13,750,022
Lake States, total.....	1,454,345	13,199,348	892,734	32,233,616
Michigan.....	274,643	2,448,071	170,151	5,620,370
Minnesota.....	267,387	2,156,866	175,479	5,499,849
Wisconsin.....	912,315	8,594,411	547,104	21,113,397
Southern States, ³ total.....	2,066,173	9,984,818	1,284,442	29,834,872
Louisiana.....	663,904	2,641,389	420,757	9,630,995
Virginia.....	451,782	2,707,606	268,732	7,524,434
Other Southern States ⁴	950,487	4,635,823	594,953	12,679,443
North Pacific States, total.....	1,693,683	10,368,562	1,037,943	31,905,557
Oregon.....	369,327	2,472,621	262,221	5,878,582
Washington.....	1,324,356	7,895,941	775,722	26,026,975

¹ Including Tennessee and West Virginia.² Maryland, Massachusetts, New Hampshire, Ohio, Tennessee, West Virginia.³ Not including Tennessee nor West Virginia.⁴ Alabama, Arkansas, Florida, Mississippi, North Carolina, South Carolina.TABLE 13.—EQUIPMENT, BY KIND, NUMBER, AND CAPACITY, FOR THE UNITED
STATES: 1935, 1931, AND 1929

[No figures available for 1933]

KIND	Number	TONS (2,000 POUNDS)	
		Total rated capacity per 24 hours	Total rated yearly capacity, basis 310 days
Grinders for mechanical wood pulp:			
1935.....	852	7,217	2,237,270
1931.....	1,047	7,524	2,332,440
1929.....	1,161	7,587	2,351,970
Digestors:			
Soda-fiber:			
1935.....	162	1,841	570,710
1931.....	185	1,751	542,810
1929.....	198	2,037	631,470
Sulphite-fiber:			
1935.....	332	6,243	1,935,330
1931.....	340	6,115	1,895,650
1929.....	385	6,357	1,970,670
Sulphate-fiber:			
1935.....	171	4,926	1,527,060
1931.....	183	4,224	1,309,440
1929.....	113	2,740	849,400
Semichemical: ¹			
1935.....	62	850	263,500
1931.....	57	723	224,130
1929.....	40	477	147,870

¹ Includes data for digestors used for cotton-linter and rag pulp.

PAPER

[A preliminary report for this industry was issued Feb. 15, 1937]

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of paper and paperboard. The principal material used is wood pulp, the greater part of which is manufactured in pulp mills operated in conjunction with the paper mills. Small quantities of pulp made from rags, waste paper, straw, and other fibers of various kinds are also used.

Paper-making machines.—The distribution of machines by number as given in table 7 is based on the general or usual output of these machines, but in cases where one or more machines of the same type are used for producing two or more kinds of paper or board, the distribution by capacity has been made according to the several kinds of paper manufactured. To illustrate: If a mill operated two Fourdrinier machines and if 80 percent of this mill's output was newsprint and the remaining 20 percent was reported as "Similar papers," both machines were classified in the "Number" column of the table as "Newsprint," but 80 percent of their capacity was assigned to "Newsprint" and 20 percent to "Similar papers."

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments ¹	591	600	650	685	-1.5	-13.7
Proprietors and firm members.....	8	37	(2)	22	(*)	(*)
Salaried personnel, total ²	11,689	(4)	(2)	11,744	(4)	-0.5
Salaried officers of corporations.....	800	(4)	(2)	1,008	(4)	-11.7
Supervisory, technical, and clerical employees.....	\$ 10,799	\$ 9,081	(2)	10,736	18.9	0.6
Salaries paid, total ³	\$30,198,717	(4)	(2)	\$37,623,897	(4)	-19.7
To salaried officers of corporations.....	\$7,392,935	(4)	(2)	\$9,485,266	(4)	-22.1
To supervisory, technical, and clerical employees.....	\$22,805,782	\$19,349,000	(2)	\$28,138,631	17.9	-19.0
Wage earners (average for year) ⁷	103,344	87,224	87,683	103,320	18.5	(5)
Wages.....	\$110,200,308	\$81,090,682	\$104,041,810	\$140,398,374	35.9	-21.5
Cost of materials, etc., total ⁹	\$429,113,355	\$311,766,966	\$384,420,395	\$574,607,978	(10)	(10)
Cost of materials and supplies.....	\$364,362,352	(2)	(2)	\$513,671,787	(2)	-29.1
Cost of fuel ⁹	\$46,290,444	(2)	(2)	\$38,605,512	(2)	(10)
Cost of purchased electric energy ⁹	\$18,460,559	(2)	(2)	\$22,330,679	(2)	(10)
Value of products.....	\$711,793,299	\$760,962,625	\$684,971,197	\$967,186,026	26.9	-26.4
Value added by manufacture ¹¹	\$282,679,944	\$249,195,659	\$300,550,802	\$392,578,048	(10)	(10)

* Percent not computed where base is less than 100.

¹ In some cases combined returns were made for 2 or more mills operated by a single establishment. The numbers of mills operated were as follows: 1935, 617; 1933, 610; 1931, 666; 1929, 702.

² No data.

³ No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

⁴ Data incomplete.

⁵ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 3,577; salaries, \$11,643,774. Technical, 1,143; salaries, \$2,575,037. Clerical, 6,079; salaries, \$8,586,971. See sec. 10, p. 7.

⁶ Supervisory, 3,131; salaries, \$10,279,563. Clerical and other, 5,950; salaries, \$9,069,437. See sec. 10, p. 7.

⁷ See sec. 11, p. 7.

⁸ Less than one-tenth of 1 percent.

⁹ Figures for fuel and purchased electric energy for 1935 include data for consumption by pulp mills operated in connection with paper mills. Figures for 1933 and 1931 include partial data for consumption by such mills. Figures for 1929 for purchased electric energy include data for consumption in pulp industry.

¹⁰ Figures for prior years not strictly comparable with those for 1935. (See footnote 9.)

¹¹ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 1, 3, and 11, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy ¹	Value of products	Value added by manufacture ¹
United States...	591	11,689	103,344	\$30,198,717	\$110,200,308	\$429,113,355	\$711,793,299	\$282,679,944
California.....	11	229	1,890	587,852	2,234,705	6,572,554	13,502,039	6,929,485
Connecticut.....	20	216	1,583	672,077	1,782,308	5,272,218	10,033,571	4,761,353
Delaware.....	6	42	287	78,605	253,883	895,224	1,267,485	372,211
Illinois.....	26	361	3,638	1,011,348	4,042,779	12,445,708	24,443,097	11,997,389
Indiana.....	15	202	1,992	533,678	2,016,779	6,054,566	11,004,395	4,949,829
Louisiana.....	7	156	1,649	331,795	1,953,843	14,332,734	22,309,369	7,976,635
Maine.....	26	935	8,114	2,021,294	8,493,103	36,362,536	53,499,799	17,137,263
Maryland.....	7	111	1,963	235,030	1,712,445	5,752,256	9,211,043	3,458,787
Massachusetts.....	62	1,341	10,147	3,680,967	10,502,593	28,779,382	52,683,867	23,004,455
Michigan.....	40	1,101	10,630	2,907,664	11,749,360	43,098,868	70,171,831	27,072,963
Minnesota.....	7	208	1,960	563,513	2,173,080	8,994,950	13,966,572	4,971,622
New Hampshire.....	21	194	2,313	459,343	2,315,072	9,431,437	14,124,221	4,692,784
New Jersey.....	30	349	3,853	1,254,574	4,378,787	16,423,977	30,690,233	14,266,256
New York.....	105	1,484	12,260	3,649,292	13,098,191	51,868,622	81,375,530	29,506,908
Ohio.....	47	1,142	8,862	2,959,698	9,682,639	36,801,428	64,256,487	27,455,059
Oregon.....	6	145	1,852	321,564	1,910,773	8,150,309	12,361,310	4,211,001
Pennsylvania.....	47	970	7,893	2,586,636	8,867,979	32,184,686	55,154,468	22,969,482
Tennessee.....	6	59	514	137,593	509,180	2,304,335	3,893,162	1,588,827
Vermont.....	8	65	856	266,862	979,949	3,691,251	5,382,930	1,691,679
Virginia.....	9	228	2,208	662,023	2,250,324	14,472,077	21,113,875	6,641,798
Washington.....	13	252	2,680	691,962	3,239,287	15,209,778	27,017,325	11,807,547
West Virginia.....	5	60	648	185,567	646,759	2,500,324	4,118,345	1,617,821
Wisconsin.....	43	1,284	10,765	3,209,483	10,829,994	47,196,055	72,477,525	25,281,470
Other States ²	24	555	4,788	1,190,247	4,576,496	20,317,580	37,734,870	17,417,280

¹ See footnotes 9 and 10, table 1.² Alabama, 3 establishments; Arkansas, 1; District of Columbia, 1; Florida, 1; Georgia, 2; Iowa, 2; Kansas, 2; Mississippi, 2; Missouri, 2; North Carolina, 4; Rhode Island, 1; South Carolina, 2; Texas, 1.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935

[See secs. 11 and 23, pp. 7 and 12]

	NUMBER REPORTED FOR—												
	January	February	March	April	May	June	July	August	September	October	November	December	
<i>United States</i>													
1935.....	101,047	102,024	103,255	103,656	103,416	103,375	103,308	103,406	104,297	104,182	103,840	103,689	
1933.....	87,224	77,363	77,363	(*)	(*)	83,014	(*)	(*)	99,266	(*)	(*)	95,676	
<i>States, 1935</i>													
Alabama.....	969	984	993	1,007	991	994	956	982	971	766	765	972	
California.....	1,790	1,764	1,808	1,824	1,860	1,883	1,900	1,976	1,990	1,992	1,964	1,934	
Connecticut.....	1,504	1,562	1,567	1,607	1,591	1,565	1,599	1,534	1,608	1,611	1,620	1,632	
Delaware.....	287	296	293	293	248	263	277	253	370	381	361	350	
Illinois.....	3,443	3,511	3,521	3,575	3,690	3,591	3,637	3,765	3,867	3,884	3,754	3,612	
Indiana.....	1,433	2,016	2,119	2,013	1,935	1,914	1,911	1,987	1,988	1,985	1,993	1,879	
Louisiana.....	1,649	1,544	1,579	1,595	1,512	1,557	1,707	1,805	1,754	1,795	1,818	1,694	
Maine.....	8,114	8,129	8,275	8,322	8,163	8,471	8,163	7,985	7,870	7,892	7,987	8,122	
Maryland.....	1,963	1,871	1,924	1,985	1,952	1,960	2,021	2,031	2,002	2,041	1,943	1,973	
Massachusetts.....	10,188	10,022	10,150	10,338	10,222	10,129	10,134	9,978	10,202	10,180	10,163	10,172	
Michigan.....	10,288	10,556	10,547	10,610	10,577	10,541	10,464	10,600	10,785	10,893	10,910	10,788	
Minnesota.....	1,969	1,966	1,857	1,909	1,928	1,920	1,960	2,010	2,023	2,040	2,010	2,015	
New Hampshire.....	2,320	2,363	2,319	2,340	2,362	2,356	2,361	2,287	2,291	2,239	2,231	2,336	
New Jersey.....	3,853	3,827	3,801	3,786	3,817	3,774	3,802	3,867	3,951	3,961	3,903	3,888	
New York.....	12,230	12,151	12,271	12,380	12,290	12,161	12,252	12,070	12,251	12,262	12,258	12,486	
North Carolina.....	649	654	649	613	654	645	641	649	639	642	657	631	
Ohio.....	8,992	8,746	8,822	8,970	8,993	9,015	8,863	8,917	8,940	8,831	8,822	8,683	
Oregon.....	1,852	1,888	1,889	1,902	1,878	1,763	1,840	1,871	1,879	1,838	1,758	1,805	
Pennsylvania.....	7,593	7,732	8,020	7,884	7,942	7,905	7,961	7,913	7,977	7,915	7,850	7,811	
Tennessee.....	514	509	531	527	513	519	513	513	513	511	508	497	
Vermont.....	856	830	863	827	850	833	800	882	886	850	840	832	
Virginia.....	2,126	2,167	2,208	2,237	2,301	2,249	2,276	2,302	2,198	2,328	2,285	2,284	
Washington.....	2,680	2,763	2,746	2,672	2,652	2,641	2,663	2,693	2,677	2,668	2,647	2,694	
West Virginia.....	613	615	615	615	615	615	615	615	615	615	615	615	
Wisconsin.....	10,765	10,775	10,901	10,875	10,833	10,890	10,783	10,703	10,605	10,743	10,686	10,677	

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

† As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, they differ somewhat from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

TABLE 4.—PAPER AND PAPERBOARD—PRODUCTION, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1935 AND 1933

KIND	1935		1933	
	Quantity (tons, 2,000 pounds)	Value	Quantity (tons, 2,000 pounds)	Value
1. Paper industry, all products, total value.....		\$711, 793, 299		\$560, 962, 625
Paper and paperboard:				
2. Produced for sale.....	7, 702, 807	502, 269, 724	6, 877, 131	404, 403, 910
3. Produced for transfer to other plants of same company.....	1, 786, 584	92, 339, 264	1, 266, 038	60, 303, 368
4. Products other than paper and paperboard (not normally belonging to the industry).....		117, 184, 311		96, 250, 347
5. Paper and paperboard produced for use in same plant.....	989, 704	61, 506, 577	1, 046, 848	56, 840, 299
Paper and paperboard, aggregate (sum of 2, 3, and 5).....	10, 479, 095	656, 115, 565	9, 190, 017	521, 552, 577
Newsprint and similar papers, total.....	1, 221, 871	49, 496, 538	1, 213, 096	47, 836, 504
Newsprint, standard, in rolls and sheets.....	947, 717	33, 353, 967	928, 332	32, 205, 982
Hanging.....	105, 177	5, 764, 542	66, 137	3, 346, 080
Catalog.....	79, 979	5, 777, 329	62, 954	4, 249, 752
Novel-news, and news-tablet.....	45, 588	1, 894, 795	155, 673	8, 034, 690
Poster, lining, etc.....	43, 410	2, 705, 905		
Book paper, total.....	1, 281, 870	112, 608, 975	1, 080, 196	83, 244, 346
Machine-finished, sized and supercalendered:				
Free from ground wood.....	762, 170	69, 472, 149	802, 248	60, 837, 384
Containing ground wood.....	201, 539	13, 591, 557		
Body stock for coated paper:				
Free from ground wood.....	195, 412	17, 357, 805	176, 513	13, 606, 481
Containing ground wood.....	24, 643	1, 125, 708		
Lithograph.....	16, 444	1, 647, 377	16, 737	1, 478, 635
Offset.....	41, 774	5, 064, 629	26, 515	2, 913, 085
Text.....	6, 096	951, 760	5, 699	767, 328
Other book paper.....	33, 792	3, 397, 990	52, 484	3, 641, 433
Cover paper.....	20, 806	3, 710, 430	12, 697	2, 104, 359
Writing paper (fine), total.....	507, 325	70, 619, 934	478, 356	61, 329, 986
100 percent rag.....	10, 253	5, 944, 674	65, 998	19, 506, 687
Less than 100 percent to 50 percent rag.....	29, 403	9, 465, 114		
Less than 50 percent rag.....	36, 046	7, 669, 099	282, 766	29, 246, 639
Sulphite bond.....	288, 411	31, 498, 116	129, 592	12, 576, 660
Other chemical wood-pulp writing papers.....	148, 212	16, 042, 931		
Wrapping paper, total.....	1, 632, 054	127, 058, 538	1, 440, 029	95, 767, 523
Unbleached sulphite wrapping.....	222, 012	15, 197, 142	267, 487	18, 706, 254
Bleached sulphite wrapping.....	92, 445	9, 507, 809		
Sulphite for bags.....	17, 879	1, 632, 223		
Kraft:				
For bags.....	394, 576	25, 195, 321	932, 598	51, 675, 204
Other.....	590, 208	40, 984, 350		
Greaseproof.....	12, 404	2, 256, 370	15, 671	2, 745, 930
Glassine.....	37, 946	8, 011, 249	33, 441	7, 131, 558
Vegetable and other imitation parchment.....	14, 161	1, 812, 675	9, 186	1, 184, 359
Bogus and screenings.....	19, 881	732, 729		
Heavy (mill wrappers, etc.).....	36, 066	1, 728, 768	176, 646	14, 324, 218
Rope, jute, etc.....	23, 110	3, 686, 447		
Ground-wood and chemical manila.....	24, 864	1, 805, 628		
Tag board, light manila board, and pattern.....	51, 887	4, 936, 881		
Other wrapping paper.....	95, 215	9, 570, 946		
Tissue paper, total.....	473, 214	46, 235, 141	406, 760	37, 711, 156
Toilet.....	223, 721	17, 318, 094	202, 861	16, 033, 585
High-grade (cigarette, condenser, carbon, etc.).....	29, 927	5, 738, 862	203, 899	21, 677, 571
Wrapping.....	67, 240	9, 411, 120		
Napkin.....	40, 726	4, 220, 524		
Towel.....	65, 462	4, 328, 915		
Waxing.....	46, 138	5, 217, 626		

For footnotes, see end of table.

TABLE 4.—PAPER AND PAPERBOARD—PRODUCTION, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1935 AND 1933—Continued

KIND	1935		1933	
	Quantity (tons, 2,000 pounds)	Value	Quantity (tons, 2,000 pounds)	Value
Paper and paperboard—Continued.				
Absorbent paper, total.....	95, 179	\$15, 911, 243	79, 832	\$12, 081, 629
Blotting.....	10, 082	1, 673, 334	72, 787	11, 023, 657
Filter.....	1, 186	291, 458		
Matrix paper and board.....	3, 245	1, 380, 395		
For vulcanized fiber.....	10, 916	1, 675, 028		
Other absorbent paper (including paper for parchmentizing) ²	69, 750	10, 891, 028		
Building paper, total.....	440, 704	19, 449, 767	307, 826	12, 687, 000
Sheathing papers.....	33, 509	1, 131, 440	22, 288	1, 479, 797
Felts and other building papers.....	407, 195	18, 318, 327	285, 538	11, 207, 203
Other paper.....	110, 182	10, 921, 673	94, 935	7, 609, 197
Paperboard, total.....	4, 695, 890	200, 103, 326	4, 076, 290	161, 180, 877
Container boards: ⁴				
Liners:			2, 020, 617	72, 270, 749
Kraft.....	710, 323	31, 049, 706		
Jute.....	801, 086	29, 637, 706		
Other.....	89, 780	3, 489, 729		
Chip (plain and test).....	410, 489	11, 948, 682		
Straw (for corrugated-container use).....	346, 415	12, 333, 944	957, 626	38, 566, 611
Folding box boards (bending):				
Manilla-lined (all lined boards).....	751, 734	34, 462, 808		
Patent-coated.....	181, 350	9, 572, 934		
Other folding box boards (including shell and unlined boards).....	187, 462	7, 660, 682		
Set-up box boards (nonbending):			571, 898	19, 707, 593
Chip and straw.....	279, 052	10, 209, 266		
Newsboard.....	225, 403	8, 003, 712		
Other (including tube, egg-case filler, pasted news, and pasted chip boards).....	119, 435	4, 699, 582		
Binder's board.....	61, 603	4, 351, 752	26, 429	1, 563, 272
Cardboard, total.....	103, 053	8, 768, 545	71, 667	6, 744, 306
Bristol board.....	72, 257	6, 834, 189	(5)	(5)
Other.....	30, 796	1, 934, 356		
Leatherboard.....	26, 759	2, 156, 678	21, 437	1, 799, 302
Pressboard.....	7, 216	947, 224	7, 241	1, 168, 219
Other boards ⁶	394, 730	20, 810, 376	399, 375	19, 360, 825

¹ Includes paper and paperboard made and used in the same plants in the manufacture of converted paper products, as follows: 1935, 989,704 tons, valued at \$61,506,577; 1933, 1,046,848 tons, valued at \$56,840,299.

² Figures for paper for parchmentizing included to avoid disclosing data for individual establishments.

³ Revised.

⁴ Not including chestnut container boards. Figures for these boards are withheld to avoid disclosing production reported by individual companies, but are included in those for "Other boards." at the foot of the table.

⁵ No data.

⁶ Figures include data for "wallboard," "insulating board," and "other building boards," as follows: For 1935, 79,814 tons, valued at \$3,800,436; for 1933, 58,048 tons, valued at \$2,873,402. Data for chestnut container boards are also included. (See footnote 4.)

TABLE 5.—PAPER AND PAPERBOARD—PRODUCTION, BY QUANTITY AND VALUE, BY STATES: 1935, 1933, AND 1929

[See sec. 23, p. 12]

STATE	1935		1933		1929	
	Quantity (tons, 2,000 pounds)	Value	Quantity (tons, 2,000 pounds)	Value	Quantity (tons, 2,000 pounds)	Value
United States.....	10,479,095	\$656,115,565	9,190,017	\$521,552,577	11,140,235	\$903,301,140
California.....	221,763	10,421,122	167,033	8,249,236	253,800	15,140,414
Connecticut.....	180,768	9,540,620	156,676	8,075,153	197,000	15,656,533
Delaware.....	9,432	1,267,435	(¹)	(¹)	39,366	4,817,327
Illinois.....	488,202	20,475,907	437,242	16,192,265	596,577	29,748,082
Indiana.....	246,726	10,763,920	234,909	9,732,239	348,769	18,120,354
Louisiana.....	449,214	22,309,369	394,373	15,885,704	273,574	18,041,807
Maine.....	907,531	51,936,948	836,851	43,617,214	1,061,384	57,021,341
Maryland.....	131,076	7,994,912	104,980	5,875,875	109,348	9,453,897
Massachusetts.....	427,708	51,066,542	350,250	39,546,527	562,462	91,044,282
Michigan.....	1,044,778	61,427,169	892,903	46,910,087	1,092,111	82,016,379
Minnesota.....	236,887	12,440,562	232,702	10,328,221	318,387	21,647,522
New Hampshire.....	149,664	13,876,765	134,495	11,333,007	195,547	22,206,610
New Jersey.....	579,177	29,545,668	484,742	22,944,648	604,940	37,074,136
New York.....	1,123,201	78,050,406	993,197	62,830,019	1,512,855	124,711,686
Ohio.....	837,105	56,188,661	744,183	44,060,848	936,572	72,284,788
Oregon.....	242,085	12,137,715	197,970	10,697,907	222,731	16,158,578
Pennsylvania.....	694,690	47,768,876	611,164	42,532,680	748,960	67,117,895
Tennessee.....	90,175	3,893,162	86,686	3,583,310	83,564	4,407,312
Vermont.....	66,059	4,699,765	67,575	3,648,169	72,677	6,763,124
Virginia.....	355,525	20,983,256	311,350	15,073,945	242,455	20,296,766
Washington.....	465,708	26,385,861	381,997	20,933,429	382,253	27,679,043
West Virginia.....	46,991	3,426,953	46,831	3,406,349	51,889	5,016,561
Wisconsin.....	792,117	63,512,115	718,473	50,273,853	886,146	85,240,423
Other Southern States ²	571,194	30,900,947	492,562	20,819,560	288,527	14,688,581
Other States ³	115,319	5,040,909	111,373	5,002,329	138,281	6,947,689

¹ Withheld to avoid disclosing data for individual establishments. Included in figure for "Other States."² For 1935 and 1933: Alabama, Arkansas, Florida, Georgia, Mississippi, North Carolina, South Carolina, and Texas. For 1929: Alabama, Arkansas, Georgia, Mississippi, North Carolina, South Carolina, and Texas.³ For 1935: District of Columbia, Iowa, Kansas, Missouri, and Rhode Island. For 1933: Colorado, Delaware, District of Columbia, Iowa, Kansas, Missouri, and Rhode Island. For 1929: Colorado, District of Columbia, Iowa, Kansas, Missouri, and Rhode Island.

TABLE 6.—PRINCIPAL MATERIALS CONSUMED, BY KIND, QUANTITY, AND COST, FOR THE UNITED STATES: 1935 AND 1929

KIND	1935 ¹		1929	
	Tons (2,000 pounds)	Cost	Tons (2,000 pounds)	Cost
Wood pulp, aggregate.....	6,442,178	\$210,548,372	6,289,318	\$302,923,324
Purchased, total.....	2,365,337	97,949,432	2,230,302	132,879,235
Mechanical.....	210,319	4,310,250	(?)	(?)
Sulphite.....	1,380,426	64,753,422		
Sulphate.....	608,908	21,327,347		
Soda and semichemical.....	147,476	7,020,966		
Not specified.....	18,208	537,447		
Produced for consumption in paper mills operated in conjunction with pulp mills, ² total.....	4,076,841	112,598,940	4,059,016	170,044,089
Mechanical.....	1,326,529	24,283,573	(?)	(?)
Sulphite.....	987,732	41,822,247		
Sulphate.....	1,367,123	33,036,285		
Soda and semichemical.....	372,110	13,216,422		
Screenings.....	23,347	240,413		
Manila stock (rope, jute, bagging, etc.).....	50,322	1,705,107	128,800	6,115,292
Paper stock.....	3,587,390	40,538,476	3,841,942	74,232,577
Rags.....	501,589	15,372,616	739,422	33,249,233
Straw.....	416,838	3,129,186	575,263	5,197,706
Other fiber (cotton, etc.).....	60,847	1,840,563		
Casain.....	17,872	2,808,143	18,451	4,346,664
Clay.....	356,832	5,367,757	470,528	7,120,281
Rosin.....	25,129	1,550,952	38,390	2,155,114
Rosin sizing.....	78,087	4,050,834	99,443	6,567,703
Other nonfibrous materials (alum, starch, etc.).....	401,421	16,218,039		

¹ Incomplete; does not include data for 14 mills, reporting products valued at \$8,993,675 (1.3 percent of the total value of products for the Paper industry), which did not report chief materials consumed. This does not apply, however, to the figures for pulp produced for consumption in paper mills operated in conjunction with pulp mills.² No data.³ See table 4, p. 535.

TABLE 7.—PAPER MACHINES, BY TYPE, NUMBER, AND CAPACITY, BY KIND OF PAPER MADE: 1935, 1934, AND 1932¹

[See "Paper-making machines," p. 540]

KIND	Total capacity per year of 310 days, tons (2,000 pounds)	FOURDRINIER		CYLINDER	
		Number	Capacity per 24 hours, tons (2,000 pounds)	Number	Capacity per 24 hours, tons (2,000 pounds)
Aggregate:					
1935.....	13,985,960	865	24,357	662	20,759
1934.....	13,889,550	881	23,693	678	21,112
1932.....	13,728,040	915	23,280	694	21,004
Newsprint and similar papers, total:					
1935.....	1,515,280	100	4,888		
1934.....	1,478,080	91	4,768		
1932.....	1,937,500	138	6,243	1	7
Newsprint:					
1935.....	1,081,280	57	3,488		
1934.....	1,237,830	66	3,993		
1932.....	1,649,820	108	5,322		
Similar papers:²					
1935.....	434,000	43	1,400		
1934.....	240,250	25	775		
1932.....	287,680	30	921	1	7
Book paper:					
1935.....	1,937,190	223	6,212	3	37
1934.....	1,790,250	216	5,696	4	79
1932.....	1,698,490	214	5,479		
Cover paper:					
1935.....	51,460	15	160	2	6
1934.....	48,670	16	157		
1932.....	44,640	15	134	2	10
Writing paper:					
1935.....	712,070	139	2,260	4	37
1934.....	709,280	142	2,276	1	12
1932.....	744,930	154	2,334	4	69
Wrapping paper:					
1935.....	2,055,610	195	6,083	34	548
1934.....	2,007,560	189	6,003	50	473
1932.....	1,993,610	202	5,845	47	586
Tissue paper:					
1935.....	611,630	108	1,445	79	528
1934.....	529,790	110	1,285	82	424
1932.....	493,630	108	1,186	88	407
Absorbent paper:					
1935.....	172,360	38	472	17	84
1934.....	149,110	37	435	22	46
1932.....	132,000	32	389	19	37
Building paper:					
1935.....	777,790	5	291	60	2,218
1934.....	735,940	2	140	67	2,234
1932.....	769,110	5	164	64	2,317
Other paper:					
1935.....	155,930	13	256	20	247
1934.....	479,260	54	1,318	13	228
1932.....	186,620	28	502	6	100
Board:					
1935.....	5,996,640	29	2,290	443	17,054
1934.....	5,961,610	24	1,615	439	17,617
1932.....	5,727,250	19	1,004	463	17,471

¹ No data collected for 1933.² Catalog, hanging, novel-news, and news-tablet; poster, lining, etc.

CONVERTED PAPER PRODUCTS

[A preliminary report for these industries was published Mar. 25, 1937]

Description of the industries.—The industries included in the Converted Paper Products subgroup embrace establishments engaged primarily in the conversion of paper and paperboard into containers and other commodities. These industries are as follows:

Bags, paper, exclusive of those made in paper mills.—This classification covers the manufacture, from purchased paper, of bags for groceries and other merchandise, shopping bags, and garment bags. Some establishments in certain other industries manufacture the paper bags in which their products are shipped, but their production of such bags is not separately reported and therefore is not covered by this report. 401

Boxes, paper, not elsewhere classified.—The principal products of the establishments in this industry are shipping containers, cartons and folding boxes, set-up paper boxes, and paper cans; and decorated, lithographed, lacquered, and fancy-covered paper boxes. 402

Cardboard, not made in paper mills.—The establishments in this industry are engaged primarily in laminating, lining, and surface-coating newsboard, pulpboard, boxboard, and the like. The principal products are converted cardboard for printers, display cut-outs, lithographic mounts, etc. 403

Card cutting and designing.—The leading products of this industry are index, library, and record cards; stencil cards for addressing machines; photograph mats, mounts, and folders; pattern cards for weaving; and related products. 404

Envelopes.—This classification covers all manufacturers whose products of chief value are envelopes of any description, including those used for filing, wrapping, etc. 405

Wall paper.—The establishments in this industry are engaged primarily in designing and printing wall paper, using as their principal material "hanging paper" manufactured in paper mills. 406

Paper goods not elsewhere classified.—The establishments in this industry are engaged primarily in converting or otherwise treating purchased paper stock in the production of such commodities as waxed paper, glazed and fancy paper, toilet paper, coated book paper, and gummed tape; paper napkins, cups, dishes, spoons, etc.; waterproof wrapping paper, paper towels, crepe and lace paper, bottle caps, playing cards, paper cores and tubes, and egg-case fillers; bag, barrel, and trunk linings; adding-machine and cash-register paper; soda straws, stencil paper, etc. 407

Statistics of products.—The differences between the values of the several classes of products as given in table 4 and the values of the products of the corresponding industries as given in table 1 are due to the fact that table 4 covers the entire output of the respective items, regardless of the industries reporting them, whereas the figures in 408

table 1 relate to the total production of the establishments whose principal products are those from which the industries derive their titles. To illustrate: The total value of paper bags given in table 4, \$75,159,648, is made up of \$60,935,518, representing the value of bags manufactured in the Paper-Bag industry, and \$14,224,130, the value of paper bags made as secondary products in other industries; whereas the total value of products for the Paper-Bag industry, \$65,563,696 (in table 1), comprises the value of paper bags manufactured in the industry, \$60,935,518, the value of secondary products normally belonging to other industries, \$4,488,732, and receipts for contract work, \$139,446.

TABLE 1.—GENERAL STATISTICS FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, FOR THE UNITED STATES: 1929 TO 1935

[For summary totals for Converted-Paper-Products Industries, see table for Paper and Allied Products group, p. 530]

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (-)	
					1933-1935	1929-1935
BAGS, PAPER, EXCLUSIVE OF THOSE MADE IN PAPER MILLS						
Number of establishments.....	107	96	95	95	(*)	(*)
Proprietors and firm members.....	20	8	(1)	18	(*)	(*)
Salaried personnel, total ²	923	(3)	(1)	873	(3)	5.7
Salaried officers of corporations.....	125	(3)	(1)	113	(3)	10.6
Supervisory, technical, and clerical employees.....	4 798	5 802	(1)	760	-0.5	5.0
Salaries paid, total ²	\$2,454,881	(3)	(1)	\$2,347,743	(3)	4.6
To salaried officers of corporations.....	\$1,036,894	(3)	(1)	\$803,182	(3)	29.1
To supervisory, technical, and clerical employees.....	\$1,417,987	\$1,345,024	(1)	\$1,544,561	5.4	-8.2
Wage earners (average for year) ⁶	9,120	7,665	6,836	6,970	19.0	30.8
Wages.....	\$8,037,966	\$5,812,998	\$6,422,669	\$6,661,235	38.3	20.7
Cost of materials, etc., total.....	\$41,727,454	\$29,295,537	\$33,426,725	\$43,238,392	42.4	-3.5
Cost of materials, supplies, and containers.....	\$41,335,079	(1)	(1)	\$42,887,265	(1)	-3.6
Cost of fuel.....	\$135,517	(1)	(1)	\$91,371	(1)	48.3
Cost of purchased electric energy.....	\$255,858	(1)	(1)	\$259,756	(1)	-1.5
Value of products.....	\$65,563,696	\$49,379,367	\$54,290,800	\$64,621,192	32.8	1.5
Value added by manufacture ⁷	\$23,839,242	\$20,083,830	\$20,864,075	\$21,382,800	18.7	11.5
BOXES, PAPER, NOT ELSEWHERE CLASSIFIED						
Number of establishments.....	1,214	1,104	1,214	1,249	10.0	-2.8
Proprietors and firm members.....	344	250	(1)	440	37.6	-21.8
Salaried personnel, total ²	7,864	(3)	(1)	7,800	(3)	0.8
Salaried officers of corporations.....	1,617	(3)	(1)	1,588	(3)	1.8
Supervisory, technical, and clerical employees.....	5 6,247	5 5,891	(1)	6,212	6.0	0.6
Salaries paid, total ²	\$19,571,834	(3)	(1)	\$22,314,874	(3)	-12.3
To salaried officers of corporations.....	\$8,695,139	(3)	(1)	\$9,475,652	(3)	-8.2
To supervisory, technical, and clerical employees.....	\$10,876,695	\$9,938,153	(1)	\$12,839,222	9.4	-15.3
Wage earners (average for year) ⁶	55,276	47,220	46,722	55,654	17.1	-0.7
Wages.....	\$50,378,531	\$37,613,844	\$44,085,214	\$57,109,700	34.5	-11.4

For footnotes, see end of table.

CONVERTED PAPER PRODUCTS

549

TABLE 1.—GENERAL STATISTICS FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, FOR THE UNITED STATES: 1929 TO 1935—Continued

[See note at head of table]

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
BOXES, PAPER, NOT ELSEWHERE CLASSIFIED—continued						
Cost of materials, etc., total.....	\$168,531,320	\$126,325,719	\$113,251,004	\$159,839,577	33.4	5.4
Cost of materials, supplies, and containers.....	\$165,553,695	(1)	(1)	\$156,945,925	(1)	5.5
Cost of fuel.....	\$1,390,551	(1)	(1)	\$1,031,255	(1)	28.6
Cost of purchased electric energy.....	\$1,587,074	(1)	(1)	\$1,812,397	(1)	-12.4
Value of products.....	\$298,648,440	\$223,004,260	\$217,871,622	\$294,253,296	33.9	1.5
Value added by manufacture ⁷	\$130,117,120	\$96,678,541	\$104,620,618	\$134,413,719	34.6	-3.2
CARDBOARD, NOT MADE IN PAPER MILLS						
Number of establishments.....	16	12	12	13	(*)	(*)
Proprietors and firm members.....	4	1	(1)	1	(*)	(*)
Salaried personnel, total ²	171	(3)	(1)	210	(3)	-18.6
Salaried officers of corporations.....	36	(3)	(1)	28	(3)	(*)
Supervisory, technical, and clerical employees.....	¹⁰ 135	¹¹ 118	(1)	182	14.4	-25.8
Salaries paid, total ²	\$448,431	(3)	(1)	\$853,208	(3)	-47.4
To salaried officers of corporations.....	\$222,054	(3)	(1)	\$330,325	(3)	-32.8
To supervisory, technical, and clerical employees.....	¹⁰ \$226,377	¹¹ \$184,730	(1)	\$522,883	22.5	-56.7
Wage earners (average for year) ⁶	628	492	520	609	27.6	3.1
Wages.....	\$640,592	\$451,880	\$598,742	\$819,178	41.8	-21.8
Cost of materials, etc., total.....	\$1,946,808	\$1,405,576	\$1,656,009	\$2,665,258	38.5	-27.0
Cost of materials, supplies, and containers.....	\$1,898,184	(1)	(1)	\$2,618,559	(1)	-27.5
Cost of fuel.....	\$35,048	(1)	(1)	\$31,942	(1)	9.7
Cost of purchased electric energy.....	\$13,576	(1)	(1)	\$14,757	(1)	-8.0
Value of products.....	\$3,694,423	\$2,793,437	\$3,593,766	\$5,629,498	32.3	-34.4
Value added by manufacture ⁷	\$1,747,615	\$1,387,861	\$1,937,757	\$2,964,240	25.9	-41.0
CARD CUTTING AND DESIGNING						
Number of establishments.....	76	64	72	70	(*)	(*)
Proprietors and firm members.....	31	21	(1)	45	(*)	(*)
Salaried personnel, total ²	551	(3)	(1)	470	(3)	17.2
Salaried officers of corporations.....	92	(3)	(1)	80	(3)	(*)
Supervisory, technical, and clerical employees.....	¹² 459	¹³ 320	(1)	390	43.4	17.7
Salaries paid, total ²	\$1,178,238	(3)	(1)	\$1,383,196	(3)	-14.8
To salaried officers of corporations.....	\$450,851	(3)	(1)	\$616,025	(3)	-26.8
To supervisory, technical, and clerical employees.....	¹² \$727,387	¹³ \$609,594	(1)	\$767,171	19.3	-5.2
Wage earners (average for year) ⁶	2,951	1,804	2,041	2,338	63.6	26.2
Wages.....	\$2,845,282	\$1,534,938	\$2,407,951	\$2,725,047	85.4	4.4
Cost of materials, etc., total.....	\$7,699,246	\$4,029,475	\$6,673,843	\$9,285,931	91.1	-17.1
Cost of materials, supplies, and containers.....	\$7,578,177	(1)	(1)	\$9,180,771	(1)	-17.5
Cost of fuel.....	\$45,910	(1)	(1)	\$37,037	(1)	24.0
Cost of purchased electric energy.....	\$75,159	(1)	(1)	\$68,123	(1)	10.3
Value of products.....	\$17,215,837	\$10,137,700	\$15,953,282	\$19,648,179	69.8	-12.4
Value added by manufacture ⁷	\$9,516,591	\$6,108,225	\$9,279,439	\$10,362,248	55.8	-8.2

For footnotes, see end of table.

TABLE 1.—GENERAL STATISTICS FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, FOR THE UNITED STATES: 1929 TO 1935—Continued

[See note at head of table]

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE OR	
					1933-1935	1929-1935
ENVELOPES						
Number of establishments.....	166	163	162	171	1.8	-2.9
Proprietors and firm members.....	19	17	(1)	38	(*)	(*)
Salaried personnel, total ²	1,641	(3)	(1)	2,027	(3)	-19.0
Salaried officers of corporations.....	268	(3)	(1)	271	(3)	-1.1
Supervisory, technical, and clerical employees.....	¹⁴ 1,373	¹⁵ 1,414	(1)	1,756	-2.9	-21.8
Salaries paid, total ²	\$4,219,209	(3)	(1)	\$5,424,496	(3)	-22.2
To salaried officers of corporations.....	\$1,790,059	(3)	(1)	\$1,761,473	(3)	1.6
To supervisory, technical, and clerical employees.....	¹⁴ \$2,429,150	¹⁵ \$2,391,612	(1)	\$3,663,023	1.6	-33.7
Wage earners (average for year) ⁶	9,038	7,981	8,924	10,367	13.2	-12.8
Wages.....	\$9,086,718	\$6,754,947	\$9,658,173	\$11,526,849	34.5	-21.2
Cost of materials, etc., total.....	\$20,752,636	\$15,917,974	\$22,452,160	\$29,927,683	30.4	-30.7
Cost of materials, supplies, and containers.....	\$19,896,218	(1)	(1)	\$29,492,924	(1)	-32.5
Cost of fuel.....	\$144,886	(1)	(1)	\$158,695	(1)	-8.7
Cost of purchased electric energy.....	\$711,532	(1)	(1)	\$276,064	(1)	157.7
Value of products.....	\$43,618,372	\$33,895,511	\$46,943,261	\$61,286,992	28.7	-28.8
Value added by manufacture ⁷	\$22,865,736	\$17,977,537	\$24,491,101	\$31,359,309	27.2	-27.1
PAPER GOODS NOT ELSEWHERE CLASSIFIED						
Number of establishments.....	547	438	464	436	24.9	25.5
Proprietors and firm members.....	128	86	(1)	103	(*)	24.3
Salaried personnel, total ²	5,659	(3)	(1)	4,288	(3)	32.0
Salaried officers of corporations.....	783	(3)	(1)	625	(3)	25.3
Supervisory, technical, and clerical employees.....	¹⁶ 4,876	¹⁷ 4,573	(1)	3,663	6.6	33.1
Salaries paid, total ²	\$13,191,234	(3)	(1)	\$12,835,089	(3)	2.8
To salaried officers of corporations.....	\$4,944,641	(3)	(1)	\$4,644,361	(3)	6.5
To supervisory, technical, and clerical employees.....	¹⁶ \$8,246,593	¹⁷ \$8,257,689	(1)	\$8,190,728	-1.1	.7
Wage earners (average for year) ⁶	27,416	20,681	20,409	20,227	32.6	35.5
Wages.....	\$26,447,999	\$18,363,661	\$22,768,969	\$23,810,118	44.0	11.1
Cost of materials, etc., total.....	\$109,883,484	\$77,158,157	\$84,395,020	\$100,368,676	42.4	9.5
Cost of materials, supplies, and containers.....	\$107,655,879	(1)	(1)	\$98,487,101	(1)	9.3
Cost of fuel.....	\$1,005,521	(1)	(1)	\$902,537	(1)	11.4
Cost of purchased electric energy.....	\$1,222,084	(1)	(1)	\$979,038	(1)	24.8
Value of products.....	\$195,786,440	\$142,078,804	\$162,074,388	\$182,647,712	37.8	7.2
Value added by manufacture ⁷	\$85,902,956	\$64,920,647	\$77,679,368	\$82,279,036	32.3	4.4
WALL PAPER						
Number of establishments.....	40	39	50	56	(*)	(*)
Proprietors and firm members.....	6	2	(1)	1	(*)	(*)
Salaried personnel, total ²	623	(3)	(1)	715	(3)	-12.9
Salaried officers of corporations.....	79	(3)	(1)	138	(3)	-42.8
Supervisory, technical, and clerical employees.....	¹⁸ 544	¹⁹ 467	(1)	577	16.5	-5.7

For footnotes, see end of table.

TABLE 1.—GENERAL STATISTICS FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, FOR THE UNITED STATES: 1929 TO 1935—Continued

(See note at head of table)

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
WALL PAPER—Continued						
Salaries paid, total ²	\$1,495,674	(3)	(1)	\$2,550,885	(3)	-41.4
To salaried officers of corporations.....	\$521,259	(3)	(1)	\$1,054,973	(3)	-50.6
To supervisory, technical, and clerical employees.....	¹⁸ \$974,415	¹⁹ \$826,008	(1)	\$1,495,912	18.0	-34.9
Wage earners (average for year) ⁶	4,265	3,239	3,734	4,705	31.7	-9.4
Wages.....	\$4,485,919	\$3,115,690	\$3,993,949	\$5,731,932	44.0	-21.7
Cost of materials, etc., total.....	\$9,889,655	\$6,851,079	\$9,150,312	\$13,480,205	44.4	-26.6
Cost of materials, supplies, and containers.....	\$9,403,684	(1)	(1)	\$12,990,809	(1)	-27.6
Cost of fuel.....	\$349,673	(1)	(1)	\$347,596	(1)	.6
Cost of purchased electric energy..	\$136,298	(1)	(1)	\$141,800	(1)	-3.9
Value of products.....	\$19,657,672	\$15,799,514	\$20,194,112	\$30,007,649	24.4	-34.5
Value added by manufacture ⁷	\$9,768,017	\$8,948,435	\$11,043,800	\$16,527,444	9.2	-40.9

* Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 197; salaries, \$665,272. Technical, 13; salaries, \$26,691. Clerical, 588; salaries, \$726,024. See sec. 10, p. 7.

⁵ Supervisory, 216; salaries, \$639,113. Clerical and other, 586; salaries, \$705,911. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

⁸ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 1,790; salaries, \$5,130,685. Technical, 207; salaries, \$399,866. Clerical, 4,250; salaries, \$5,346,144. See sec. 10, p. 7.

⁹ Supervisory, 1,620; salaries, \$4,579,963. Clerical and other, 4,271; salaries, \$5,358,190. See sec. 10, p. 7.

¹⁰ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 46; salaries, \$112,102. Technical, 5; salaries, \$9,232. Clerical, 84; salaries, \$105,043. See sec. 10, p. 7.

¹¹ Supervisory, 30; salaries, \$76,696. Clerical and other, 88; salaries, \$108,034. See sec. 10, p. 7.

¹² Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 119; salaries, \$293,365. Technical, 17; salaries, \$43,779. Clerical, 323; salaries, \$390,243. See sec. 10, p. 7.

¹³ Supervisory, 86; salaries, \$265,386. Clerical and other, 234; salaries, \$344,208. See sec. 10, p. 7.

¹⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 246; salaries, \$863,563. Technical, 40; salaries, \$97,262. Clerical, 1,087; salaries, \$1,468,325. See sec. 10, p. 7.

¹⁵ Supervisory, 366; salaries, \$1,070,298. Clerical and other, 1,048; salaries, \$1,321,404. See sec. 10, p. 7.

¹⁶ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 1,115; salaries, \$3,328,824. Technical, 252; salaries, \$617,355. Clerical, 3,509; salaries, \$4,300,414. See sec. 10, p. 7.

¹⁷ Supervisory, 971; salaries, \$3,168,226. Clerical and other, 3,602; salaries, \$5,089,463. See sec. 10, p. 7.

¹⁸ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 121; salaries, \$372,271. Technical, 46; salaries, \$119,273. Clerical, 377; salaries, \$482,871. See sec. 10, p. 7.

¹⁹ Supervisory, 138; salaries, \$403,517. Clerical and other, 329; salaries, \$422,491. See sec. 10, p. 7.

TABLE 2.—SUMMARY FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, containers, fuel, and purchased energy	Value of products	Value added by manufacture
BAGS, PAPER, EXCLUSIVE OF THOSE MADE IN PAPER MILLS								
United States.....	107	923	9,120	\$2,454,881	\$8,037,966	\$41,727,454	\$65,563,696	\$23,836,242
Alabama.....	3	35	832	79,239	653,758	3,531,468	4,873,801	1,342,333
California.....	6	23	165	41,922	138,854	795,108	1,303,513	508,405
Illinois.....	5	72	750	159,798	582,475	2,510,518	4,644,613	2,134,095
Louisiana.....	6	27	799	52,207	625,394	4,419,746	6,186,403	1,766,657
Maryland.....	3	23	132	100,776	114,682	605,950	992,322	386,372
Massachusetts.....	6	35	256	71,478	269,724	1,629,389	2,278,919	649,530
Missouri.....	4	46	313	92,075	253,965	999,198	1,414,387	415,189
New Jersey.....	5	29	285	138,496	263,605	898,490	1,453,178	554,688
New York.....	27	199	2,173	579,960	2,099,170	11,751,383	18,444,353	6,692,970
Ohio.....	13	126	939	363,397	846,428	4,346,061	6,553,880	2,207,819
Pennsylvania.....	9	169	1,079	445,726	1,034,980	4,037,648	7,357,149	3,319,501
Virginia.....	3	15	52	58,168	37,460	328,854	591,578	262,724
Other States ¹	17	124	1,345	266,639	1,117,471	5,873,641	9,469,600	3,595,959
BOXES, PAPER, NOT ELSEWHERE CLASSIFIED								
United States.....	1,214	7,864	55,276	19,571,834	50,578,531	168,531,320	298,648,440	130,117,120
Arkansas.....	3	15	73	25,229	52,257	186,056	325,405	139,349
California.....	42	260	1,535	585,685	1,596,885	6,037,822	10,648,440	4,610,618
Colorado.....	5	25	122	49,061	103,456	377,616	705,143	327,527
Connecticut.....	43	260	2,165	779,253	2,207,693	5,317,715	10,477,397	5,159,682
Georgia.....	13	87	437	230,162	305,438	1,201,401	2,114,624	913,163
Illinois.....	109	858	5,552	2,157,122	4,985,000	17,467,335	30,315,573	12,848,238
Indiana.....	24	333	1,972	735,945	1,909,065	8,297,462	14,001,682	5,704,220
Iowa.....	9	41	285	70,971	177,513	633,708	1,009,742	376,034
Louisiana.....	8	44	380	145,135	272,180	1,872,581	2,862,285	989,704
Maine.....	9	19	129	33,506	104,270	201,493	470,649	269,156
Maryland.....	24	104	900	230,613	666,920	2,720,728	4,648,770	1,928,042
Massachusetts.....	102	670	4,615	1,585,231	4,305,519	12,845,708	23,710,901	9,865,283
Michigan.....	27	308	2,340	754,217	2,557,133	9,855,402	16,335,986	6,779,584
Minnesota.....	16	75	395	163,926	331,535	835,431	1,683,651	848,220
Missouri.....	41	399	2,314	990,306	2,133,245	6,981,077	12,296,100	5,315,023
New Hampshire.....	7	23	101	39,247	74,022	277,063	475,216	198,153
New Jersey.....	66	531	4,354	1,370,209	4,023,424	14,567,224	24,370,276	9,803,052
New York.....	150	1,621	11,071	4,180,100	10,441,829	28,009,138	54,371,478	26,362,340
North Carolina.....	31	57	527	225,324	395,139	1,329,581	2,707,305	1,377,724
Ohio.....	68	552	4,395	1,315,719	4,340,586	15,873,068	26,180,018	10,306,950
Oregon.....	8	19	124	47,917	121,569	245,945	513,355	267,410
Pennsylvania.....	142	737	5,542	1,838,818	4,566,972	13,347,801	24,412,396	11,064,595
Rhode Island.....	13	56	363	118,686	293,987	319,606	935,248	633,742
Tennessee.....	14	78	695	204,820	520,450	1,971,872	3,458,533	1,486,661
Texas.....	8	46	279	98,289	191,355	939,810	1,605,919	666,109
Virginia.....	13	62	530	141,971	392,965	1,507,934	2,659,099	1,151,165
Washington.....	14	90	522	188,003	498,387	2,375,864	4,486,816	2,110,952
West Virginia.....	9	52	496	106,933	426,053	2,698,255	3,785,119	1,086,864
Wisconsin.....	28	227	1,657	568,036	1,522,200	5,364,649	9,508,720	4,144,071
Other States ²	24	215	1,176	580,391	1,052,554	4,870,915	8,254,404	3,383,489
CARDBOARD, NOT MADE IN PAPER MILLS								
United States.....	16	171	628	448,431	640,592	1,946,808	3,694,423	1,747,615
Pennsylvania.....	3	51	144	126,355	134,228	512,511	996,438	483,927
Other States ³	13	120	484	322,076	506,364	1,434,297	2,697,985	1,263,688
CARD CUTTING AND DESIGNING								
United States.....	76	551	2,951	1,178,238	2,845,282	7,099,246	17,215,837	9,516,591
Massachusetts.....	5	68	227	107,877	252,762	731,840	1,219,962	488,122
Michigan.....	4	130	1,094	326,845	1,115,625	3,375,723	5,761,677	2,385,954
New Jersey.....	6	12	76	31,482	86,143	120,724	261,499	104,775
New York.....	31	159	669	283,393	612,213	1,790,569	5,034,211	3,243,642
Ohio.....	6	43	233	128,068	203,162	291,336	970,984	679,648
Pennsylvania.....	10	40	160	89,839	157,055	241,417	538,166	296,749
Other States ⁴	14	99	487	210,734	418,322	1,147,637	3,429,338	2,281,701

For footnotes, see end of table.

CONVERTED PAPER PRODUCTS

553

TABLE 2.—SUMMARY FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, BY STATES: 1935—Continued

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added by manufacture
ENVELOPES								
United States.....	166	1,641	9,038	\$4,219,209	\$9,086,718	\$20,752,636	\$43,618,372	\$22,865,736
California.....	10	60	364	133,131	411,264	796,202	2,015,834	1,219,632
Illinois.....	23	243	1,181	606,956	1,232,077	2,737,707	6,104,953	3,367,246
Maryland.....	5	29	142	96,738	138,979	500,588	930,632	430,044
Massachusetts.....	15	368	1,746	867,979	1,739,820	4,138,206	8,108,663	3,970,457
Michigan.....	5	43	213	128,026	254,061	643,482	1,335,942	692,460
Minnesota.....	8	52	250	78,555	192,223	452,124	1,069,859	617,735
Missouri.....	8	86	446	240,837	465,647	891,508	2,288,977	1,397,469
New York.....	39	304	1,473	863,239	1,597,909	3,449,835	7,461,733	4,011,898
Ohio.....	7	107	1,132	300,323	1,021,332	2,525,065	4,703,329	2,178,264
Pennsylvania.....	14	82	476	248,139	467,647	859,621	2,162,632	1,303,011
Texas.....	4	24	79	52,724	70,155	192,179	413,827	221,648
Wisconsin.....	4	40	156	86,332	153,751	359,198	713,421	354,223
Other States ¹	24	203	1,380	516,230	1,341,843	3,206,921	6,308,570	3,101,649
PAPER GOODS NOT ELSEWHERE CLASSIFIED								
United States.....	547	5,659	27,416	13,191,234	26,447,999	109,883,484	195,786,440	\$5,902,956
California.....	25	119	361	244,518	397,680	2,233,380	3,795,871	1,562,491
Connecticut.....	8	35	147	58,490	175,862	452,029	812,984	360,955
Georgia.....	7	59	451	167,530	352,679	1,640,171	2,785,832	1,145,681
Illinois.....	39	384	1,715	1,007,262	1,833,096	8,759,993	17,088,849	8,328,946
Indiana.....	18	201	744	335,095	628,153	1,905,558	3,644,259	1,738,701
Iowa.....	3	16	77	27,365	73,141	472,381	773,421	301,040
Massachusetts.....	75	1,038	4,879	2,122,082	5,093,997	14,902,455	30,052,792	15,130,337
Michigan.....	30	255	2,090	644,282	1,955,495	8,580,546	15,233,574	6,653,028
Missouri.....	9	181	966	355,616	958,662	3,508,267	5,995,251	2,486,984
New Jersey.....	31	255	1,279	666,290	1,263,476	6,030,088	10,242,659	4,212,571
New York.....	148	1,083	5,496	2,615,657	5,050,056	20,107,900	36,022,756	15,914,856
Ohio.....	34	470	2,295	1,146,210	2,254,534	11,686,818	19,253,247	7,566,429
Pennsylvania.....	42	728	2,521	1,962,872	2,216,521	7,703,495	15,777,445	8,073,950
Rhode Island.....	12	55	352	148,850	334,165	784,194	1,552,371	768,177
Texas.....	6	50	290	123,248	255,173	1,497,531	2,303,982	806,451
Washington.....	4	15	74	32,235	78,965	593,703	829,255	235,552
Wisconsin.....	20	215	1,316	452,887	1,177,102	7,018,163	11,206,786	4,188,618
Other States ²	36	500	2,357	1,080,795	2,349,242	12,006,897	18,435,086	6,428,189
WALL PAPER								
United States.....	40	623	4,265	1,495,674	4,485,919	9,859,655	19,657,672	9,768,017
Illinois.....	11	192	1,645	464,673	1,637,573	3,922,533	8,004,288	4,081,755
New York.....	11	184	1,185	384,766	1,237,639	2,552,763	4,669,793	2,117,030
Ohio.....	4	39	128	110,456	169,140	446,005	881,182	435,177
Pennsylvania.....	8	127	968	303,506	1,055,775	1,768,370	3,581,760	1,813,390
Other States ³	6	81	339	232,263	355,792	1,199,984	2,520,649	1,320,665

¹ Arkansas, 2 establishments; Indiana, 2; Kentucky, 1; Maine, 1; Mississippi, 1; Oregon, 1; South Carolina, 1; Texas, 1; Vermont, 2; Washington, 3; Wisconsin, 2.

² Alabama, 1 establishment; Delaware, 1; District of Columbia, 2; Florida, 3; Kansas, 3; Kentucky, 5; Nebraska, 2; Oklahoma, 3; South Dakota, 1; Utah, 2; Vermont, 1.

³ California, 1 establishment; Illinois, 3; Indiana, 1; Massachusetts, 2; Nebraska, 1; New York, 4; Rhode Island, 1.

⁴ California, 2 establishments; Connecticut, 1; District of Columbia, 1; Illinois, 3; Missouri, 1; North Carolina, 1; Rhode Island, 2; West Virginia, 1; Wisconsin, 2.

⁵ Colorado, 2 establishments; Connecticut, 3; District of Columbia, 1; Georgia, 2; Indiana, 2; Iowa, 1; Kentucky, 2; Louisiana, 1; Nebraska, 2; New Jersey, 1; Oklahoma, 1; Oregon, 1; Tennessee, 1; Virginia, 2; Washington, 2.

⁶ Delaware, 1 establishment; District of Columbia, 2; Kansas, 1; Kentucky, 1; Louisiana, 2; Maine, 1; Maryland, 2; Minnesota, 3; Nebraska, 1; New Hampshire, 3; Oregon, 4; Tennessee, 4; Vermont, 4; Virginia, 7.

⁷ Connecticut, 1 establishment; Indiana, 1; Massachusetts, 2; New Jersey, 1; Wisconsin, 1.

CONVERTED PAPER PRODUCTS

Colorado.....	122	124	100	127	119	103	104	121	127	130	120	136	136
Connecticut.....	2, 150	2, 036	2, 086	2, 105	2, 114	2, 114	2, 080	2, 065	2, 120	2, 124	2, 216	2, 342	2, 342
Florida.....		21	21	21	22	21	23	18	17	18	19	25	27
Georgia.....	437	432	430	450	418	410	490	395	412	487	490	474	468
Illinois.....	5, 554	5, 311	5, 363	5, 383	5, 392	5, 250	5, 153	5, 262	5, 477	5, 844	6, 058	6, 097	6, 056
Indiana.....	1, 972	1, 890	1, 918	1, 972	1, 980	1, 999	1, 965	1, 885	2, 007	2, 054	2, 104	1, 970	1, 966
Iowa.....	265	263	279	280	281	282	289	277	289	301	292	288	287
Kansas.....	347	343	335	338	344	340	345	361	353	366	356	337	334
Kentucky.....	256	232	238	244	232	233	237	239	258	275	321	282	279
Louisiana.....	380	389	378	387	380	352	363	354	369	380	388	406	403
Maine.....	129	124	120	128	130	130	125	128	132	128	128	127	139
Maryland.....	900	840	869	860	906	911	901	906	920	981	946	899	899
Massachusetts.....	4, 615	4, 230	4, 409	4, 660	4, 437	4, 421	4, 352	4, 515	4, 672	4, 915	4, 983	4, 946	4, 835
Michigan.....	2, 540	2, 426	2, 529	2, 589	2, 571	2, 588	2, 539	2, 472	2, 526	2, 484	2, 551	2, 617	2, 585
Minnesota.....	395	379	378	380	383	383	371	369	390	402	422	441	437
Missouri.....	2, 314	2, 317	2, 296	2, 297	2, 274	2, 265	2, 244	2, 243	2, 254	2, 332	2, 421	2, 420	2, 401
New Hampshire.....	97	102	99	98	98	97	96	98	102	95	95	90	89
New Jersey.....	4, 354	4, 041	4, 123	4, 300	4, 317	4, 280	4, 239	4, 299	4, 424	4, 453	4, 787	4, 592	4, 395
New York.....	11, 089	10, 470	10, 772	10, 867	10, 965	10, 760	10, 762	10, 681	10, 942	11, 391	11, 883	11, 984	11, 688
North Carolina.....	527	514	519	517	523	536	527	517	507	530	550	547	547
Ohio.....	4, 395	4, 238	4, 347	4, 418	4, 427	4, 412	4, 302	4, 206	4, 200	4, 406	4, 574	4, 623	4, 589
Oklahoma.....	134	142	138	136	141	142	143	142	135	134	119	115	123
Oregon.....	124	122	113	117	119	127	123	119	116	123	135	134	134
Pennsylvania.....	5, 545	5, 173	5, 259	5, 421	5, 376	5, 379	5, 307	5, 261	5, 474	5, 816	6, 085	6, 047	5, 947
Rhode Island.....	363	337	339	339	342	338	341	349	349	375	408	424	418
Tennessee.....	695	676	679	689	686	687	667	684	680	717	767	702	709
Texas.....	279	294	266	288	272	282	266	278	279	290	281	298	279
Virginia.....	530	512	512	517	520	532	531	523	520	534	545	559	560
Washington.....	484	484	480	490	493	500	511	507	535	549	575	567	567
West Virginia.....	496	457	445	470	463	473	473	494	500	517	579	551	530
Wisconsin.....	1, 687	1, 625	1, 705	1, 704	1, 734	1, 707	1, 724	1, 677	1, 666	1, 621	1, 669	1, 701	1, 693
CARDBOARD, NOT MADE IN PAPER MILLS													
1935.....	698	547	562	608	623	613	612	584	625	727	735	701	600
1933.....	492	472	481	532	503	496	485	474	477	516	495	502	497
United States													
States, 1935													
Illinois.....	229	144	157	200	210	217	229	106	228	325	328	298	211
New York.....	443	38	30	40	38	38	36	40	40	40	40	53	42
Pennsylvania.....	144	158	160	159	153	142	134	142	135	138	133	136	133

For footnotes, see end of table.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935—Continued

[See secs. 11 and 23, pp. 7 and 12]

		NUMBER REPORTED FOR—											
Average number employed during year ¹		January	February	March	April	May	June	July	August	September	October	November	December
CARD CUTTING AND DESIGNING													
<i>United States</i>													
1935.....	2,951	3,072	3,074	3,115	3,225	3,011	2,644	2,628	2,563	2,623	2,911	3,275	3,266
1933.....	1,804	1,564	1,832	1,849	1,755	1,634	1,667	1,711	1,741	1,941	2,039	1,912	1,998
<i>States, 1935</i>													
Illinois.....	167	172	169	170	170	169	167	165	165	165	164	163	150
Massachusetts.....	227	243	233	217	217	227	226	221	222	218	219	235	230
Michigan.....	1,099	1,297	1,327	1,347	1,347	1,202	848	822	748	801	935	1,287	1,259
New Jersey.....	76	83	74	86	75	81	81	82	79	73	82	70	62
New York.....	669	650	647	665	630	630	634	642	634	666	716	745	763
Ohio.....	233	196	226	229	225	225	234	229	237	235	260	254	298
Pennsylvania.....	160	128	133	190	190	179	169	159	161	164	174	164	170
ENVELOPES													
<i>United States</i>													
1935.....	9,038	8,783	9,042	9,157	9,190	9,199	9,098	8,947	8,881	8,960	9,028	9,096	9,079
1933.....	7,981	(*)	(*)	7,472	(*)	(*)	7,556	(*)	(*)	8,534	(*)	(*)	8,482
<i>States, 1935</i>													
California.....	364	346	356	361	368	372	365	366	359	362	368	367	380
Illinois.....	1,181	1,152	1,182	1,177	1,177	1,167	1,213	1,166	1,165	1,172	1,178	1,190	1,198
Maryland.....	193	143	143	144	144	143	138	135	137	143	148	146	147
Massachusetts.....	1,746	1,638	1,720	1,742	1,787	1,812	1,793	1,757	1,726	1,735	1,737	1,758	1,750
Michigan.....	213	211	210	210	210	218	210	210	215	212	217	210	213
Minnesota.....	250	232	248	248	248	248	248	238	253	259	260	254	253
Missouri.....	446	440	442	450	440	442	449	449	444	437	449	444	447
New York.....	1,473	1,452	1,490	1,490	1,487	1,487	1,464	1,443	1,412	1,447	1,441	1,507	1,510
Ohio.....	1,132	1,116	1,135	1,130	1,130	1,130	1,113	1,120	1,124	1,139	1,146	1,142	1,134
Pennsylvania.....	476	465	486	482	498	482	480	471	474	474	462	464	468
Texas.....	79	76	79	78	78	80	80	79	78	80	79	80	80
Wisconsin.....	156	152	156	153	153	153	160	155	153	154	161	160	160

CONVERTED PAPER PRODUCTS

PAPER GOODS NOT ELSEWHERE CLASSIFIED		27, 402 20, 681	26, 543 (*)	27, 283 (*)	27, 654 18, 398	27, 747 (*)	27, 829 (*)	27, 707 20, 656	27, 491 (*)	27, 307 (*)	27, 450 23, 405	27, 462 (*)	27, 302 (*)	27, 051 21, 711
United States		361	320	335	341	361	388	382	388	392	393	396	396	376
States, 1935		147	163	155	157	157	154	153	154	162	166	161	101	96
California	451	428	449	459	472	484	504	463	504	464	450	410	410	428
Connecticut	1, 715	1, 650	1, 696	1, 685	1, 672	1, 724	1, 794	1, 711	1, 748	1, 793	1, 800	1, 800	1, 753	1, 748
Georgia	745	690	762	742	749	748	769	769	748	763	736	718	718	688
Illinois	68	77	88	83	86	86	88	88	86	79	62	60	60	70
Indiana	4, 880	4, 680	4, 899	4, 906	4, 882	4, 820	4, 981	4, 820	4, 800	4, 981	4, 927	4, 927	4, 927	4, 911
Iowa	2, 080	2, 298	2, 167	2, 112	1, 958	1, 866	1, 806	1, 806	1, 806	1, 950	2, 076	2, 076	2, 107	2, 136
Massachusetts	173	172	183	180	179	178	183	180	178	164	166	166	164	162
Michigan	965	943	974	947	972	1, 024	1, 079	972	1, 024	919	927	914	914	937
Minnesota	648	634	646	641	642	644	644	644	644	634	646	662	662	676
Missouri	1, 279	1, 261	1, 279	1, 259	1, 279	1, 260	1, 293	1, 279	1, 260	1, 293	1, 293	1, 321	1, 321	1, 273
New Hampshire	5, 482	5, 098	5, 085	5, 876	5, 798	5, 529	5, 539	5, 798	5, 529	5, 365	5, 380	5, 460	5, 460	5, 319
New Jersey	2, 295	2, 315	2, 272	2, 188	2, 173	2, 209	2, 209	2, 173	2, 209	2, 319	2, 320	2, 344	2, 344	2, 300
New York	147	123	153	135	155	162	162	155	162	156	145	139	139	136
Ohio	2, 521	2, 410	2, 521	2, 580	2, 633	2, 610	2, 580	2, 633	2, 610	2, 572	2, 554	2, 479	2, 479	2, 455
Oregon	352	330	344	335	333	331	335	333	331	368	376	382	382	365
Pennsylvania	154	107	120	131	145	175	175	162	175	183	165	150	150	161
Rhode Island	297	298	279	294	294	309	327	294	309	334	300	286	286	295
Tennessee	205	183	171	180	214	209	209	214	209	244	244	209	209	215
Texas	348	331	357	353	352	344	353	352	344	344	353	333	333	338
Vermont	74	58	64	81	84	80	80	84	80	80	81	74	74	70
Virginia	1, 313	1, 288	1, 334	1, 332	1, 337	1, 331	1, 332	1, 337	1, 331	1, 300	1, 303	1, 304	1, 304	1, 240
Washington														
Wisconsin														
WALL PAPER														
United States		4, 319	4, 886	4, 864	4, 048	3, 832	4, 048	3, 832	3, 919	3, 594	3, 602	4, 377	4, 620	4, 888
States, 1935		3, 239	2, 668	2, 722	2, 894	2, 966	2, 894	2, 966	3, 053	3, 000	3, 519	3, 954	4, 316	4, 523
Illinois	1, 651	1, 977	1, 724	1, 454	1, 450	1, 492	1, 454	1, 450	1, 492	1, 143	1, 416	1, 564	1, 752	1, 915
New York	1, 236	1, 467	1, 235	1, 148	980	1, 032	1, 148	980	1, 032	1, 050	1, 040	1, 313	1, 346	1, 398
Ohio	128	149	139	134	120	109	134	120	109	85	92	131	141	140
Pennsylvania	965	945	967	981	989	930	981	989	930	1, 008	673	1, 007	1, 015	1, 068

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.
 † As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, these averages for some of the industries differ from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year.

TABLE 4.—CONVERTED PAPER PRODUCTS—PRODUCTION, BY KIND AND VALUE: 1935, 1933, AND 1929

KIND	1935	1933	1929
1. Converted-Paper-Products Industries, all products, total value.....	\$644, 184, 880	\$477, 088, 593	\$686, 136, 843
2. Converted paper products.....	630, 760, 647	465, 494, 407	638, 889, 660
3. Other products (not normally belonging to the industries).....	12, 301, 960	11, 287, 957	1 46, 508, 849
4. Receipts for custom and contract work.....	1, 122, 273	306, 229	738, 644
5. Converted paper products made as secondary products in other industries.....	131, 574, 533	111, 719, 089	178, 835, 397
Converted paper products, aggregate value (sum of 2 and 5).....	762, 335, 180	577, 213, 496	817, 725, 047
Bags, total ²	75, 159, 648	57, 375, 490	79, 124, 252
Kraft.....	53, 300, 464	44, 044, 395	63, 884, 477
Glassine.....	5, 332, 947	13, 331, 095	15, 239, 775
Other paper.....	16, 526, 237		
Bottle caps.....	7, 386, 945	6, 373, 093	5, 523, 755
Boxes and containers (paper and paperboard), total.....	325, 083, 346	253, 557, 485	346, 446, 958
Shipping containers, corrugated.....	134, 936, 822		97, 959, 464
Shipping containers, solid-fiber.....	25, 437, 106		42, 035, 357
Cartons and folding boxes.....	85, 347, 060		95, 726, 676
Set-up paper boxes.....	62, 556, 184	(³)	85, 882, 513
Paper cans and bottles.....	9, 681, 773		13, 023, 526
Decorated, lithographed, lacquered, and fancy-covered boxes.....	2, 317, 454		6, 600, 125
Other boxes and containers.....	4, 806, 947		5, 718, 997
Cards cut and designed, total.....	18, 738, 666	10, 967, 448	16, 104, 053
Index, library, etc., cards, plain.....	2, 455, 978		3, 640, 527
Jacquard cards for textile-fabric machines.....	227, 042		476, 304
Photograph mats, mounts, folders, etc.....	2, 468, 620	(³)	5, 222, 562
Other ⁴	13, 587, 026		6, 764, 630
Cardboard (converted).....	6, 132, 279	4, 869, 786	6, 937, 368
Coated book paper.....	32, 921, 486	22, 990, 863	49, 514, 438
Crêpe paper.....	3, 437, 721	1, 659, 899	5, 003, 664
Cups, total.....	10, 607, 895	10, 321, 080	10, 713, 637
Flat.....	876, 354		(³)
Round.....	9, 731, 541	(³)	(³)
Dishes, spoons, etc.....	2, 895, 985	1, 944, 371	6, 113, 115
Envelopes.....	42, 054, 338	33, 092, 998	57, 657, 514
Glazed and fancy paper.....	7, 701, 922	6, 127, 245	10, 575, 108
Gummed paper and tape, total.....	11, 606, 224	9, 686, 858	13, 025, 734
Gummed flat paper.....	2, 839, 700		2, 247, 750
Gummed paper tape.....	5, 060, 637	(³)	6, 125, 077
Gummed cloth tape.....	3, 705, 827		4, 652, 927
Lace, paper.....	1, 830, 568	1, 547, 753	2, 152, 334
Napkins, paper.....	8, 086, 723	6, 524, 162	6, 869, 617
Papereries, unprinted and printed.....	9, 175, 856	5, 918, 480	17, 459, 242
Rolls (for adding machines, telegraph tape, etc.).....	1, 809, 481	1, 348, 425	1, 768, 206
Tablets, total.....	10, 179, 914	10, 842, 094	9, 446, 543
Book.....	756, 991		809, 755
News.....	2, 002, 039	(³)	2, 232, 570
Writing.....	4, 142, 288		4, 204, 303
Other.....	3, 278, 596		2, 199, 915

¹ Includes \$28,042,325, value of products reported by establishments classified in the "Labels and Tags" industry. This industry was included in the Converted Paper Products group at the censuses for 1929 and prior years, but was abandoned as a separate classification at the census for 1931.

² In addition, bags made of transparent sheets other than glassine (products of the "Synthetic-Resin, Cellulose-Plastic, Vulcanized Fiber, and Molded and Pressed Pulp Fabricated Articles, Not Elsewhere Classified" industry), valued at \$3,213,661, were reported for 1935. No corresponding figures for 1933 and 1929 are available.

³ No data.

⁴ Includes stencil cards for addressing machines.

TABLE 4.—CONVERTED PAPER PRODUCTS—PRODUCTION, BY KIND AND VALUE: 1935, 1933, AND 1929—Continued

KIND	1935	1933	1929
Converted paper products—Continued.			
Toilet paper.....	\$27,408,188	\$24,287,172	\$25,323,220
Towels.....	9,490,203	6,598,095	8,035,657
Tubes and cores (paperboard).....	4,903,707	4,606,879	6,087,140
Wall paper ⁵	19,494,600	15,794,369	30,004,881
Waterproof wrapping paper.....	3,495,817	1,883,415	3,259,295
Waxed paper.....	41,158,458	30,640,586	35,464,098
Cloth-lined paper.....	231,424		
Coin wrappers.....	348,109		
Egg-case fillers and flats.....	1,783,566		
Facial tissue.....	4,680,994	48,254,750	65,085,198
File folders.....	1,039,531		
Patterns, unprinted ⁶	4,448,535		
Tags (paper and paperboard), unprinted.....	1,680,749		
Other converted paper and paperboard products ⁷	67,362,302		

⁵ Number of rolls: 1935, 344,496,067; 1933, 289,120,472; 1929, 373,893,950.

⁶ For data on printed and lithographed paper patterns, see report on Printing and Publishing industries.

⁷ Cigarette paper, playing cards, and confetti, for all years; in addition, miscellaneous products (not reported by kind) and twisted paper (cord, twine, etc.) for 1933 and 1929, and roofing paper for 1929.

TABLE 5.—CONSUMPTION OF PAPER AND PAPERBOARD, BY KIND OF PRODUCTS MADE: 1935

KIND	Total value of products	WEIGHT OF PAPER AND PAPERBOARD USED AND VALUE OF PRODUCTS BOTH REPORTED		Value of products for establishments not reporting weight of paper used
		Weight of paper, tons (2,000 pounds)	Value of products	
Aggregate.....	\$762,335,180	4,426,155	\$469,139,814	\$293,195,366
Bags:				
Kraft.....	53,300,464	447,952	46,679,549	6,620,915
Glassine.....	5,332,947	10,156	2,865,439	2,467,508
Other paper.....	16,526,237	108,397	7,897,850	8,623,387
Bottle caps.....	7,386,945	14,962	4,283,484	3,103,461
Boxes and containers (paper and paperboard):				
Shipping containers, corrugated.....	134,936,822	1,484,933	100,703,401	25,233,421
Shipping containers, solid-fiber.....	25,437,106	435,408	23,809,465	1,627,641
Cartons and folding boxes.....	85,347,060	656,710	61,570,783	23,776,277
Set-up paper boxes.....	62,556,184	126,589	16,150,255	46,405,929
Paper cans and bottles.....	9,681,773	26,944	6,926,439	2,755,334
Decorated, lithographed, lacquered, and fancy covered boxes.....	2,317,454	1,556	259,915	2,057,539
Other boxes and containers.....	4,806,947	8,531	1,452,641	3,354,306
Cards cut and designed:				
Index, library, etc., cards, plain.....	2,455,978	6,435	662,100	1,793,878
Jacquard cards for textile-fabric machines.....	227,042	395	64,129	162,913
Photograph mats, mounts, folders, etc.....	2,468,620	969	337,327	2,131,293
Other.....	13,587,026	10,069	4,405,518	9,181,508
Cardboard (converted).....	6,132,279	30,264	3,257,051	2,875,228
Coated book paper.....	32,921,486	233,195	30,819,358	2,102,128
Crêpe paper.....	3,437,721	5,102	1,062,175	2,375,546
Cups:				
Flat.....	876,354	1,042	337,800	538,554
Round.....	9,731,541	5,066	2,935,502	6,796,039
Dishes, spoons, etc.....	2,895,985	8,994	1,500,473	1,395,512
Envelopes.....	42,054,338	49,087	14,659,894	27,394,444
Glazed and fancy paper.....	7,701,922	16,404	4,428,278	3,273,644

TABLE 5.—CONSUMPTION OF PAPER AND PAPERBOARD, BY KIND OF PRODUCTS MADE: 1935—Continued

KIND	Total value of products	WEIGHT OF PAPER AND PAPERBOARD USED AND VALUE OF PRODUCTS BOTH REPORTED		Value of products for establishments not reporting weight of paper used
		Weight of paper, tons (2,000 pounds)	Value of products	
Gummed paper and tape:				
Gummed flat paper.....	\$2,839,760	8,729	\$1,801,984	\$1,037,776
Gummed paper tape.....	5,060,637	22,385	3,771,214	1,289,423
Gummed cloth tape.....	3,705,827			3,705,827
Lace, paper.....	1,830,568	1,630	564,024	1,266,544
Napkins, paper.....	8,086,723	35,779	6,310,658	1,776,065
Papeteries, unprinted and printed.....	9,175,856	14,545	4,778,296	4,397,560
Rolls (for adding machines, telegraph tape, etc.).....	1,809,481	5,603	832,329	977,152
Tablets:				
Book.....	756,991	3,057	349,696	407,295
News.....	2,002,039	13,249	1,471,463	530,576
Writing.....	4,142,288	23,335	3,012,516	1,129,772
Other.....	3,278,596	13,580	2,915,456	363,140
Toilet paper.....	27,408,188	141,354	16,720,005	10,688,183
Towels.....	9,490,203	61,590	7,230,053	2,260,150
Tubes and cores (paperboard).....	4,903,707	13,430	1,840,313	3,063,394
Wall paper.....	19,494,600	(¹)	(¹)	19,494,600
Waterproof wrapping paper.....	3,495,817	21,225	2,662,908	832,909
Waxed paper.....	41,158,458	196,547	36,930,902	4,227,556
Cloth-lined paper.....	231,424	401	231,424	
Coin wrappers.....	348,109	140	56,721	291,388
Egg-case fillers and flats.....	1,783,566	18,666	1,188,915	594,651
Facial tissue.....	4,680,994	3,580	819,217	3,861,777
File folders.....	1,039,531	1,744	334,858	704,673
Patterns, unprinted.....	4,448,535	1,210	2,748,739	1,699,796
Tags (paper and paperboard), unprinted.....	1,680,749	847	269,256	1,411,493
Other converted paper and paperboard products.....	67,362,302	134,368	26,230,041	41,132,261

¹ Weight of paper not reported. Number of rolls, 344,496,067; weight per roll, 9 to 18 ounces.

Group 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

THE INDUSTRIES AS A GROUP

[See p. 42]

For census purposes, printing and publishing and the several allied activities specified below are classified together as Group 5—one of the 16 major groups of industries covered by the Census of Manufactures—and the group is divided into two subgroups, namely, (1) Printing and Publishing and (2) Allied Industries.

The first of these subgroups embraces all establishments engaged in either printing or publishing and is made up of two industries, (1) Printing and Publishing, Book, Music, and Job, and (2) Printing and Publishing, Newspaper and Periodical.

The second subgroup covers those industries more or less closely allied to printing and publishing, namely, (1) Bookbinding and Blank-Book Making; (2) Engraving (Other Than Steel, Copperplate, or Wood), Chasing, Etching, and Diesinking; (3) Engraving, Steel, Copperplate, and Wood, and Plate Printing; (4) Lithographing; (5) Photo-engraving, not Done in Printing Establishments; (6) Stereotyping and Electrotyping, not Done in Printing Establishments.

Change in classification.—The industry classifications "Engravers' Materials" and "Printers' Supplies," formerly included in this group, have been abandoned, and the establishments that were assigned thereto have been transferred to "Printers' Machinery and Equipment" in Group 13, "Machinery, Not Including Transportation Equipment." The figures in the table below, "Summary for the Group," have been revised in accordance with this change.

Duplication in value of products for group.—The value of products for this group of industries, as given in the table below, includes duplication resulting from the fact that some publishers employ other establishments to do all or part of their printing, binding, lithographing, and engraving. The amounts paid for such work, which are reported by the publishing establishments under the head "Cost of contract work," appear as "Value of work done" in the returns made by commercial printing, bookbinding, lithographing, and engraving establishments, and are accounted for under the head "Value of products" or "Value of products and receipts" in the reports for the respective industries. (See also "Duplication in value of products," p. 563.)

SUMMARY FOR GROUP 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES:
1929 TO 1935

[See "Changes in industry groups, classifications, and titles," p. 13]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added to materials
Aggregate for the group.	1935	22,666	304,842	\$446,372,062	\$498,768,921	\$2,164,995,207	\$1,552,819,152
	1933	19,293	262,993	354,320,362	375,842,602	1,726,425,370	1,350,532,768
	1931	24,789	315,306	535,962,268	578,080,298	2,487,824,784	1,909,744,486
	1929	27,400	356,204	633,717,660	761,856,086	3,185,827,543	2,393,971,457
Printing and publishing, total.	1935	19,840	245,376	361,662,096	428,778,225	1,891,638,715	1,354,704,453
	1933	16,857	213,785	292,471,783	325,939,297	1,524,989,686	1,102,617,990
	1931	21,978	255,480	438,629,734	513,208,350	2,212,267,193	1,564,396,634
	1929	24,360	281,119	506,290,168	630,029,112	2,790,195,928	1,930,268,211
Printing and publishing, book, music, and job.	1935	10,961	126,692	168,771,916	194,155,695	698,819,717	1,464,839,814
	1933	9,224	104,699	128,982,283	141,239,213	519,990,325	1,344,941,518
	1931	11,767	135,977	212,930,808	213,928,154	804,018,725	1,541,137,691
	1929	12,836	151,459	252,891,093	298,291,407	1,021,897,036	2,688,980,569
Printing and publishing, newspaper and periodical.	1935	8,879	118,684	192,890,180	234,622,530	1,192,818,998	1,889,864,639
	1933	7,633	109,087	163,489,500	184,700,084	1,004,999,361	2,757,676,472
	1931	10,211	119,503	225,698,926	299,280,196	1,408,248,468	2,023,258,943
	1929	11,524	129,660	253,399,075	391,737,705	1,738,298,892	1,241,237,642
Allied industries, total.	1935	2,766	59,466	84,709,966	69,900,699	273,356,492	1,198,114,699
	1933	2,436	49,207	61,848,579	49,903,305	201,435,684	1,146,068,812
	1931	2,819	60,845	98,537,541	66,861,702	280,847,707	2,208,859,597
	1929	3,040	75,085	127,427,492	101,826,974	395,631,615	2,523,804,647
Bookbinding and blank-book making.	1935	1,022	20,454	21,795,928	21,140,664	73,315,359	62,174,695
	1933	863	16,865	16,090,886	15,685,833	56,010,798	7,40,324,962
	1931	1,050	21,216	25,356,304	21,391,592	79,779,955	7,58,388,363
	1929	1,108	24,754	31,779,037	30,754,777	102,783,405	7,72,028,628
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1935	101	2,199	2,448,951	2,695,792	7,661,080	7,4,965,297
	1933	77	1,089	1,093,607	920,685	3,425,494	7,2,504,809
	1931	133	1,467	2,047,611	1,439,812	5,607,496	7,4,167,684
	1929	189	2,240	3,211,743	2,583,039	10,933,741	7,8,350,702
Engraving, steel, copperplate, and wood, and plate printing.	1935	388	5,300	6,521,190	4,591,444	20,123,866	7,15,532,422
	1933	343	5,033	5,264,803	3,637,209	16,222,544	7,12,585,335
	1931	432	6,985	9,503,497	6,424,732	27,425,476	7,21,000,744
	1929	483	10,272	14,812,941	11,947,014	47,900,592	7,35,953,578
Lithographing.	1935	387	17,688	24,158,488	29,982,032	92,046,916	1,57,741,865
	1933	346	14,579	18,122,836	21,448,998	68,188,447	2,42,192,751
	1931	364	16,215	25,722,990	26,606,611	87,433,164	2,56,744,911
	1929	376	18,979	32,021,919	38,992,142	121,014,321	2,82,022,179
Photo-engraving, not done in printing establishments.	1935	662	9,408	21,341,866	7,850,083	53,342,208	1,44,555,050
	1933	600	7,907	14,788,323	5,601,528	37,582,592	2,31,064,195
	1931	617	10,095	24,990,256	7,408,475	56,019,675	2,47,666,434
	1929	654	12,353	31,831,176	11,003,121	77,382,259	2,66,379,138
Stereotyping and electrotyping, not done in printing establishments.	1935	206	4,417	8,443,543	3,721,684	26,867,054	7,23,145,370
	1933	207	3,734	6,488,224	2,609,052	20,005,812	7,17,396,700
	1931	223	4,857	10,916,883	3,590,480	24,581,941	7,20,991,416
	1929	230	6,487	13,770,676	6,546,881	35,617,297	7,29,070,416

¹ Calculated by deducting sum of cost of materials, fuel, and purchased electric energy and cost of contract work (not shown in this table) from value of products.

² Revised; revision not carried into aggregate for group. Calculated by deducting sum of cost of materials, fuel, and purchased electric energy and cost of contract work (not shown in this table) from value of products.

³ Revised; revision not carried into aggregate for group.

⁴ Calculated for some industries by method described in footnote 1 and for others by method described in footnote 7.

⁵ Revised; see "Change in classification," p. 561.

⁶ Revised; revision not carried into aggregate for group. Calculated for some industries by method described in footnote 1 and for others by method described in footnote 7.

⁷ Calculated by subtracting cost of materials, fuel, and purchased electric energy from value of products.

⁸ Calculated by subtracting cost of materials, fuel, and purchased electric energy from value of products, and therefore not strictly comparable with corresponding figures for subsequent years. (See footnote 1.)

PRINTING AND PUBLISHING, NEWSPAPER AND PERIODICAL

PRINTING AND PUBLISHING, BOOK, MUSIC, AND JOB

[A preliminary report for these industries was issued Apr. 14, 1937]

Description of the industries.—The printing and publishing subgroup comprises two industries, namely, (1) Newspaper and Periodical and (2) Book, Music, and Job. Establishments classified in the first industry are engaged primarily in the printing and publishing, or the publishing only, of newspapers and periodicals; those in the second industry, in the printing and publishing, or the publishing only, of books, in commercial printing (including music printing), or in machine composition for other establishments. An exception to the general rule of classification on the basis of products of chief value (see sec. 8, p. 6) is made in the case of establishments engaged in publishing newspapers and periodicals, all of which, including those whose income is derived mainly from other sources, are classified in the Newspaper and Periodical industry.

Some of the establishments are engaged solely in the publication of books or periodicals printed by others, and perform no printing or other manufacturing processes of any kind. It has been necessary, however, to treat such establishments as within the industry in order to make a complete statistical presentation for it. This necessity arises because commercial printers are not in a position to report the selling values of books and other publications printed for others, this information being obtainable only from the publishers for whom the commercial printing is done.

Duplication in value of products.—The term "value of products," as applied to the printing and publishing industries, covers revenues from subscriptions and sales, advertising, and work done for others. The combined values of products for the two industries, as given in table 1, include duplication equal to the total amounts reported as receipts for composition sold to the trade, for ready prints, for the printing of newspapers, periodicals, books, and pamphlets for publication by others, and for maps and atlases made for others. (See footnote 2, table 4.) The net values of products for the two industries taken together, calculated by deducting the amounts of duplications from the gross values, are as follows: 1935, \$1,735,273,886; 1933, \$1,404,672,247; 1931, \$2,026,571,657; 1929, \$2,595,918,544. (See also "Duplication in value of products for group," p. 561.)

Secondary products.—As explained elsewhere (see sec. 14, p. 8), the output of each industry includes certain minor products different from those covered by the industry designation, but does not include products which normally belong to the industry but are made by establishments engaged primarily in other lines of production. To illustrate: An establishment engaged primarily in printing and pub-

lishing a newspaper may also do commercial printing. Thus considerable overlapping occurs between the two industries, and for this reason the value of "newspapers and periodicals printed and published, or published only," as given in table 4, and the combined value of the other classes of products covered by that table, are not identical with the total values of all products as given for the Newspaper and Periodical industry and the book and job industry, respectively, in table 1.

Number of publications and aggregate circulation per issue.—In calculating the number of newspapers, as shown in tables 6 and 11, morning, evening, and Sunday editions of the same newspaper are counted separately. Thus every daily paper which publishes a Sunday edition counts as two in the total, and every daily which publishes morning, evening, and Sunday editions counts as three. The "aggregate circulation per issue" is calculated, for each class of publications, by totalizing the returns for average circulation per issue as made for individual publications.

Effect of \$5,000 limit on coverage.—As explained in section 6*d*, page 5, no data are collected from establishments with products valued at less than \$5,000. The application of this limit has a greater effect on the coverage of the printing and publishing industries than on that of any other important industry canvassed in the Biennial Census. (The paragraph in parentheses under section 6*d*, page 5, refers to the combined totals for all industries canvassed. The corresponding percentages for the Printing and Publishing industries were slightly smaller, as follows: Newspaper and Periodical—wage earners, 96 percent; value of products, 98 percent. Book, Music, and Job—wage earners, 99 percent; value of products, 98 percent.) In particular, the numbers of establishments in these industries, and especially in the Newspaper and Periodical industry, as given in table 1, fall considerably below the total numbers of printing and publishing establishments in the United States, including those whose receipts were less than \$5,000; and the numbers of weekly newspapers as given in tables 6 and 12 fall far below the total numbers of weeklies including those whose receipts were less than \$5,000. (In the 1919 Census, 43 percent of the establishments in the Newspaper and Periodical industry and 32 percent of those in the Book, Music, and Job industry reported receipts amounting to less than \$5,000; and the corresponding percentage for weekly newspapers—which cannot be calculated, as the basic data are not now available—would be considerably larger.)

The effect of the \$5,000 limit is much less pronounced on the other statistical items in the several tables than on the figures for number of establishments and number of weekly newspapers.

TABLE 1.—GENERAL STATISTICS FOR THE INDUSTRIES IN COMBINATION AND SEPARATELY, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE(—)	
					1935-1935	1929-1935
THE PRINTING AND PUBLISHING INDUSTRIES						
Number of establishments.....	19,840	16,857	21,978	24,360	17.7	-18.6
Proprietors and firm members...	11,763	9,631	(¹)	13,164	22.1	-10.6
Salaried personnel, total ²	155,544	(³)	(¹)	190,501	(³)	-18.4
Salaried officers of corporations.	15,149	(³)	(¹)	18,382	(³)	-7.5
Supervisory employees (including editors), technical employees, and reportorial and clerical employees.....	⁴ 140,395	⁵ 127,240	(¹)	174,119	10.3	-19.4
Salaries paid, total ²	\$310,595,848	(³)	(¹)	\$447,175,641	(³)	-30.5
To salaried officers of corporations.....	\$73,423,609	(³)	(¹)	\$160,258,893	(³)	-26.8
To supervisory employees (including editors), technical employees, and reportorial and clerical employees.....	⁴ \$237,472,239	⁵ \$209,804,061	(¹)	\$346,916,748	13.2	-31.5
Wage earners including compositors (average for year) ⁶	245,376	213,786	255,480	281,119	14.8	-12.7
Wages.....	\$361,652,096	\$292,471,783	\$438,629,734	\$506,290,168	23.7	-28.6
Cost of materials, etc., total.....	\$428,778,225	\$325,939,297	\$513,208,350	\$660,029,112	31.6	-35.0
Cost of materials and supplies.	410,304,012	(¹)	(¹)	638,735,184	(¹)	-35.8
Cost of fuel.....	4,842,441	(¹)	(¹)	6,084,198	(¹)	-20.4
Cost of purchased electric energy.....	13,631,772	(¹)	(¹)	15,209,730	(¹)	-10.4
Cost of contract work.....	108,156,037	96,432,399	134,662,209	169,898,605	12.2	-36.3
Value of products and receipts ⁷	1,891,638,715	1,524,989,686	2,212,267,193	2,760,195,928	24.0	-31.5
Value added to materials ⁸	1,354,704,453	1,102,617,990	1,564,396,634	1,930,268,211	22.9	-29.8
NEWSPAPER AND PERIODICAL						
Number of establishments.....	8,879	7,633	10,211	11,524	16.3	-23.0
Proprietors and firm members...	5,235	4,239	(¹)	5,274	23.5	-7
Salaried personnel, total ²	115,765	(³)	(¹)	142,738	(³)	-18.9
Salaried officers of corporations.	6,553	(³)	(¹)	7,098	(³)	-7.7
Supervisory employees (including editors), technical employees, and reportorial and clerical employees.....	⁹ 109,212	¹⁰ 101,279	(¹)	135,640	7.8	-19.5
Salaries paid, total ²	\$223,872,397	(³)	(¹)	\$318,201,762	(³)	-29.6
To salaried officers of corporations.....	\$36,594,327	(³)	(¹)	\$49,041,345	(³)	-25.4
To supervisory employees (including editors), technical employees, and reportorial and clerical employees.....	⁹ \$187,278,070	¹⁰ \$168,862,052	(¹)	\$269,160,417	10.9	-30.4
Wage earners including compositors (average for year) ⁶	118,684	109,087	119,503	129,660	8.8	-8.5
Wages.....	\$192,890,180	\$163,489,500	\$225,698,926	\$253,399,075	18.0	-23.9

For footnotes, see end of table.

TABLE 1.—GENERAL STATISTICS FOR THE INDUSTRIES IN COMBINATION AND SEPARATELY, FOR THE UNITED STATES: 1929 TO 1935—Continued

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE(—)	
					1933-1935	1929-1935
NEWSPAPER AND PERIODICAL—continued						
Cost of materials, etc., total.....	\$234,622,530	\$184,700,084	\$299,280,196	\$391,737,705	27.0	-40.1
Cost of materials and supplies.....	224,147,468	(¹)	(¹)	379,608,855	(¹)	-41.0
Cost of fuel.....	2,865,491	(¹)	(¹)	3,885,520	(¹)	-26.3
Cost of purchased electric energy.....	7,609,571	(¹)	(¹)	8,243,330	(¹)	-7.7
Cost of contract work.....	68,331,829	62,622,805	85,709,329	105,273,545	9.1	-35.1
Value of products and receipts ⁷	1,192,818,998	1,004,999,361	1,408,248,468	1,738,298,892	18.7	-31.4
Value added to materials ⁸	889,864,639	757,676,472	1,023,258,943	1,241,287,642	17.4	-28.3
BOOK, MUSIC, AND JOB						
Number of establishments.....	10,961	9,224	11,767	12,836	18.8	-14.6
Proprietors and firm members.....	6,528	5,392	(¹)	7,890	21.1	-17.3
Salaried personnel, total ²	39,779	(³)	(¹)	47,763	(³)	-16.7
Salaried officers of corporations, supervisory, technical, and clerical employees.....	8,596	(³)	(¹)	9,284	(³)	-7.4
	¹¹ 31,183	¹² 25,961	(¹)	38,479	20.1	-19.0
Salaries paid, total ²	\$87,023,451	(³)	(¹)	\$128,973,879	(³)	-32.5
To salaried officers of corporations.....	\$36,829,282	(³)	(¹)	\$51,217,548	(³)	-28.1
To supervisory, technical, and clerical employees.....	¹¹ \$50,194,169	¹² \$40,942,009	(¹)	\$77,756,331	22.6	-35.4
Wage earners including compositors (average for year) ⁴	126,692	104,699	135,977	151,459	21.0	-16.4
Wages.....	\$168,771,916	\$128,982,283	\$212,930,808	\$252,891,093	30.8	-33.3
Cost of materials, etc., total.....	\$194,155,695	\$141,239,213	\$213,928,154	\$268,291,407	37.5	-27.6
Cost of materials and supplies.....	186,156,544	(¹)	(¹)	259,126,329	(¹)	-28.2
Cost of fuel.....	1,976,950	(¹)	(¹)	2,198,678	(¹)	-10.1
Cost of purchased electric energy.....	6,022,201	(¹)	(¹)	6,966,400	(¹)	-13.6
Cost of contract work.....	39,824,208	33,809,594	48,952,880	64,625,060	17.8	-38.4
Value of products and receipts ⁷	698,819,717	519,990,325	804,018,725	1,021,897,036	34.4	-31.6
Value added to materials ⁸	464,839,814	344,941,518	541,137,601	688,980,569	34.8	-32.5

¹ No data.² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.³ Data incomplete.⁴ Supervisory employees (including editors), 16,567; salaries, \$59,078,820. Technical employees, 1,636; salaries, \$4,175,694. Reportorial and clerical employees, 122,192; salaries, \$174,219,755. See sec. 10, p. 7.⁵ Supervisory employees (including editors), 16,824; salaries, \$58,634,767. Reportorial, clerical, and other employees, 110,416; salaries, \$151,169,294. See sec. 10, p. 7.⁶ See sec. 11, p. 7.⁷ See "Duplication in value of products," p. 563.⁸ Calculated by deducting sum of cost of materials, supplies, fuel, purchased electric energy, and cost of contract work from value of products and receipts.⁹ Supervisory employees (including editors), 11,181; salaries, \$42,422,598. Technical employees, 1,132; salaries, \$2,794,950. Reportorial and clerical employees, 96,899; salaries, \$142,090,522. See sec. 10, p. 7.¹⁰ Supervisory employees (including editors), 11,718; salaries, \$43,423,066. Reportorial, clerical, and other employees, 89,561; salaries, \$125,438,986. See sec. 10, p. 7.¹¹ Supervisory, 5,356; salaries, \$16,656,222. Technical, 504; salaries, \$1,408,714. Clerical, 25,293; salaries, \$32,129,233. See sec. 10, p. 7.¹² Supervisory, 5,106; salaries, \$15,211,701. Clerical and other, 20,855; salaries, \$25,730,308. See sec. 10, p. 7.

TABLE 2.—SUMMARY, BY STATES: 1935

[See sec. 11, p. 7. See also footnotes 2 and 8, table 1]

	Number of establishments	Salaries of officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products and receipts	Value added to materials ¹
THE PRINTING AND PUBLISHING INDUSTRIES								
United States.....	19,840	155,544	245,376	\$310,995,848	\$361,662,096	\$428,778,225	\$1,891,638,715	\$1,354,704,453
NEWSPAPER AND PERIODICAL								
United States.....	8,879	115,765	118,684	223,872,397	192,890,180	234,622,530	1,192,818,998	889,864,639
Alabama.....	92	892	740	1,420,033	1,005,302	1,809,375	6,629,732	5,226,028
Arizona.....	35	290	274	639,175	434,747	293,852	2,244,886	1,909,136
Arkansas.....	82	391	541	601,154	657,703	579,779	3,197,648	2,602,461
California.....	617	7,138	6,438	12,326,713	10,895,006	11,549,126	67,085,827	53,519,958
Colorado.....	100	777	975	1,172,558	1,500,621	2,499,945	8,847,153	6,280,716
Connecticut.....	90	2,329	2,321	4,721,841	3,566,478	4,051,507	21,239,241	15,442,910
Delaware.....	12	145	198	270,294	270,294	228,374	1,335,565	1,091,684
District of Columbia.....	84	2,744	1,678	5,643,719	3,295,333	3,930,608	21,556,351	14,532,969
Florida.....	142	1,335	1,433	2,395,109	2,042,278	1,603,867	9,782,358	8,085,856
Georgia.....	125	1,337	1,320	2,293,106	1,915,657	1,868,322	9,611,487	7,384,780
Idaho.....	62	199	354	317,447	492,940	312,011	1,929,585	1,616,853
Illinois.....	703	8,622	8,982	17,638,934	15,810,184	21,396,693	105,493,305	74,382,658
Indiana.....	279	2,752	3,110	4,203,967	4,312,119	4,352,356	22,629,434	17,564,648
Iowa.....	288	2,233	2,581	3,958,865	3,444,176	3,689,120	20,020,542	16,144,564
Kansas.....	209	1,014	1,632	1,717,430	2,062,797	2,100,795	11,824,028	9,657,875
Kentucky.....	130	1,159	1,203	1,751,740	1,823,581	1,632,696	8,069,509	6,322,559
Louisiana.....	69	963	885	1,632,803	1,210,073	1,420,257	7,026,536	5,450,888
Maine.....	47	570	713	939,410	873,104	772,434	4,720,071	3,924,094
Maryland.....	79	1,479	1,576	2,813,328	2,305,061	3,443,786	12,449,307	8,497,978
Massachusetts.....	263	5,606	5,206	11,199,717	10,290,254	11,395,508	51,932,255	38,687,033
Michigan.....	320	3,625	4,159	6,655,195	6,658,196	7,036,809	37,408,581	29,353,208
Minnesota.....	332	2,397	2,975	4,230,819	4,130,885	4,700,859	21,942,989	16,473,433
Mississippi.....	82	245	431	366,489	523,089	456,787	2,341,416	1,871,349
Missouri.....	283	3,298	3,762	7,300,511	5,970,272	6,702,402	32,843,886	25,162,724
Montana.....	79	316	562	558,959	839,384	577,510	3,004,092	2,388,170
Nebraska.....	172	1,094	1,238	1,807,811	1,721,739	1,567,139	9,245,517	7,456,002
Nevada.....	21	77	90	138,177	144,721	101,702	618,576	516,874
New Hampshire.....	40	212	341	412,176	484,665	276,394	1,884,374	1,587,031
New Jersey.....	223	2,850	2,933	6,081,524	5,349,454	3,490,880	22,671,524	18,748,180
New Mexico.....	30	129	178	185,027	248,084	191,117	1,050,508	857,552
New York.....	1,019	27,354	20,250	60,821,481	39,474,086	58,033,991	309,333,052	215,419,693
North Carolina.....	131	949	1,106	1,741,741	1,479,714	1,453,628	7,892,633	6,291,241
North Dakota.....	63	238	323	416,742	454,358	325,052	2,081,789	1,750,497
Ohio.....	432	6,741	10,582	12,732,254	15,730,154	21,686,528	98,998,787	74,805,626
Oklahoma.....	158	1,318	1,505	2,234,900	2,090,429	1,866,679	10,074,878	8,162,962
Oregon.....	108	1,015	965	1,510,305	1,358,227	1,408,124	7,887,758	6,247,187
Pennsylvania.....	522	9,827	11,402	18,157,664	18,156,155	28,217,690	123,242,360	92,325,438
Rhode Island.....	23	516	663	1,087,833	1,287,439	949,830	5,464,147	4,388,764
South Carolina.....	61	422	514	724,723	617,359	543,127	3,308,756	2,748,344
South Dakota.....	74	213	445	366,901	541,619	445,355	2,167,174	1,717,358
Tennessee.....	107	1,056	1,706	1,845,122	2,111,630	2,552,435	13,248,441	10,143,256
Texas.....	368	3,232	3,464	5,306,951	5,099,116	4,756,574	25,823,454	20,694,334
Utah.....	45	485	384	705,005	610,649	610,358	3,270,373	2,543,510
Vermont.....	29	198	239	346,738	327,854	178,542	1,264,527	1,085,655
Virginia.....	103	960	992	1,632,173	1,398,534	1,510,322	8,474,056	6,727,455
Washington.....	174	1,872	1,643	2,958,039	2,417,139	2,180,130	13,428,223	10,727,241
West Virginia.....	96	641	967	1,061,139	1,206,515	786,395	5,284,164	4,384,426
Wisconsin.....	242	2,390	2,537	4,634,252	3,965,708	3,480,144	19,953,860	16,163,597
Wyoming.....	34	120	167	194,353	251,479	145,616	988,920	839,804

For footnote, see end of table.

TABLE 2.—SUMMARY, BY STATES: 1935—Continued

[See sec. 11, p. 7. See also footnotes 2 and 8, table 1]

	Number of es- tab- lish- ments	Salad- of- ficers and em- ploy- ees	Wage earn- ers (aver- age for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products and receipts	Value added to materi- als ¹
BOOE, MUSIC, AND JOB								
United States.....	10,961	39,779	126,692	\$87,023,451	\$168,771,916	\$194,155,695	\$698,819,717	\$464,839,814
Alabama.....	61	124	407	213,031	485,919	489,008	1,620,776	1,107,623
Arizona.....	20	41	123	81,459	156,074	161,900	531,364	365,779
Arkansas.....	36	100	305	233,832	345,966	368,439	1,338,260	968,558
California.....	812	1,508	5,630	3,169,124	8,307,982	11,042,231	33,104,514	21,018,408
Colorado.....	97	215	666	443,700	897,796	973,832	3,213,688	2,134,425
Connecticut.....	183	409	1,674	911,659	2,147,586	2,365,727	7,274,486	4,735,657
Delaware.....	15	25	103	41,323	103,244	114,417	334,323	218,142
District of Columbia.....	86	219	1,102	637,562	1,575,858	1,371,543	4,933,468	3,407,687
Florida.....	110	197	555	355,294	695,241	1,177,822	3,165,759	1,950,123
Georgia.....	122	284	1,108	536,364	1,329,239	1,483,651	4,821,064	3,213,353
Idaho.....	12	33	98	72,312	121,128	122,306	430,652	308,146
Illinois.....	985	5,972	19,674	13,939,873	27,657,880	27,966,219	109,098,495	74,757,094
Indiana.....	232	966	3,008	1,849,512	3,636,922	3,889,285	13,654,425	9,021,859
Iowa.....	157	280	841	528,232	1,013,552	1,180,402	3,947,165	2,719,542
Kansas.....	88	187	617	369,916	701,846	1,023,100	3,193,544	2,157,275
Kentucky.....	83	241	1,187	547,656	1,367,419	1,636,358	4,608,040	2,944,742
Louisiana.....	101	250	712	439,674	838,849	1,017,300	3,202,873	2,125,414
Maine.....	62	70	285	113,603	327,061	279,626	1,046,785	740,902
Maryland.....	185	554	2,536	1,282,770	3,215,595	3,942,571	11,458,872	7,287,669
Massachusetts.....	595	2,348	7,777	5,060,906	9,680,492	9,663,238	43,817,467	29,983,971
Michigan.....	402	1,225	4,523	2,489,221	5,924,286	8,592,821	24,128,805	14,476,641
Minnesota.....	222	1,368	3,521	2,674,313	4,341,904	5,381,654	20,197,747	14,515,079
Mississippi.....	31	54	179	82,744	219,528	260,448	824,958	564,510
Missouri.....	358	1,372	4,337	2,854,827	5,373,566	6,920,040	21,878,106	14,113,388
Montana.....	21	51	147	87,833	192,080	234,318	685,896	450,642
Nebraska.....	90	218	672	512,668	865,494	1,031,527	3,376,919	2,311,947
Nevada.....	5	14	29	30,275	39,110	51,018	175,979	123,461
New Hampshire.....	37	118	715	240,857	872,826	545,904	2,176,994	1,553,500
New Jersey.....	352	988	4,465	2,450,624	6,346,116	5,463,876	21,718,257	14,869,223
New Mexico.....	10	6	45	14,161	65,459	65,825	231,506	165,681
New York.....	2,377	11,684	26,664	26,028,218	39,419,490	44,529,917	187,006,119	124,451,593
North Carolina.....	101	165	833	337,853	928,564	1,184,909	3,332,742	2,116,997
North Dakota.....	15	32	110	70,750	148,268	133,347	512,352	374,776
Ohio.....	700	2,671	10,054	6,067,458	12,709,597	17,016,340	55,469,960	36,523,265
Oklahoma.....	93	150	422	280,688	504,340	707,634	2,146,498	1,413,998
Oregon.....	105	165	502	329,867	678,698	761,447	2,494,752	1,701,763
Pennsylvania.....	838	2,532	10,768	5,457,064	13,554,491	14,369,233	48,436,283	32,484,513
Rhode Island.....	70	201	789	492,980	917,473	1,076,607	3,241,115	2,146,629
South Carolina.....	31	74	241	161,937	265,687	391,575	1,003,706	601,514
South Dakota.....	12	57	71	103,550	95,121	101,070	366,846	264,071
Tennessee.....	126	323	1,317	639,023	1,427,141	1,943,720	5,582,632	3,403,604
Texas.....	288	580	1,753	1,111,688	2,165,535	2,542,343	8,631,692	5,904,093
Utah.....	40	86	234	148,662	293,663	299,242	1,098,303	743,915
Vermont.....	28	67	226	107,318	264,249	212,678	837,187	591,285
Virginia.....	123	383	1,267	757,538	1,464,072	1,854,745	5,930,839	3,824,428
Washington.....	156	266	750	488,111	988,174	1,232,796	3,898,362	2,559,748
West Virginia.....	46	98	316	240,056	395,004	403,731	1,411,035	1,000,329
Wisconsin.....	233	789	3,280	1,895,790	3,645,653	6,509,884	17,005,634	10,268,603
Wyoming.....	9	19	44	39,475	66,278	68,071	222,513	154,249

¹ Calculated by deducting sum of cost of materials, supplies, fuel, and purchased electric energy and cost of contract work (not shown in this table) from value of products.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935

[See sec. 11, p. 7]

		NUMBER REPORTED FOR—											
		January	February	March	April	May	June	July	August	September	October	November	December
THE PRINTING AND PUBLISHING INDUSTRIES													
United States		242,770 (*)	245,035 (*)	245,596 207,517	245,606 (*)	245,746 (*)	242,400 208,560	239,970 (*)	241,903 (*)	244,908 218,824	248,095 (*)	249,327 (*)	252,466 225,819
1935		117,442 (*)	118,004 (*)	118,708 106,219	118,966 (*)	119,199 (*)	118,263 107,526	116,605 (*)	116,684 (*)	118,486 111,200	119,780 (*)	120,228 (*)	121,641 113,461
1933		740	740	750	744	748	755	728	723	732	742	736	744
Alabama		269	276	289	278	267	208	258	255	267	281	300	302
Arizona		581	536	552	538	529	558	533	550	545	555	558	565
Arkansas		6,280	6,413	6,428	6,413	6,247	6,347	6,347	6,366	6,389	6,474	6,488	6,512
California		955	971	974	991	974	975	962	973	964	991	981	1,002
Colorado		2,287	2,282	2,300	2,313	2,313	2,298	2,265	2,316	2,353	2,370	2,373	2,375
Connecticut		198	199	199	193	197	198	193	196	193	197	196	201
Delaware		1,683	1,644	1,674	1,674	1,661	1,643	1,620	1,656	1,706	1,711	1,741	1,743
District of Columbia		1,434	1,552	1,561	1,456	1,896	1,365	1,340	1,327	1,358	1,369	1,326	1,345
Florida		1,321	1,317	1,324	1,321	1,326	1,325	1,320	1,318	1,315	1,317	1,350	1,351
Georgia		384	346	348	350	353	350	348	352	357	363	368	371
Idaho		8,763	8,644	8,879	9,038	9,081	9,162	8,839	8,827	9,067	9,097	9,114	9,239
Illinois		3,060	3,041	3,103	3,083	3,123	3,101	3,082	3,076	3,103	3,127	3,181	3,219
Indiana		2,510	2,615	2,619	2,601	2,591	2,588	2,540	2,560	2,626	2,662	2,643	2,643
Iowa		1,632	1,632	1,647	1,645	1,644	1,648	1,597	1,627	1,638	1,631	1,653	1,659
Kansas		1,162	1,178	1,195	1,184	1,198	1,217	1,220	1,214	1,211	1,212	1,215	1,231
Kentucky		1,888	1,884	1,894	1,890	1,886	1,890	1,889	1,880	1,890	1,890	1,899	1,895
Louisiana		705	710	711	711	708	696	708	708	721	727	726	726
Maine		1,576	1,566	1,568	1,573	1,584	1,586	1,562	1,590	1,561	1,565	1,568	1,608
Maryland		5,280	5,255	5,263	5,321	5,350	5,102	4,962	4,949	5,047	5,152	5,159	5,302
Massachusetts													

For footnotes, see end of table.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935—Continued

[See sec. 11, p. 7]

Average number employed during year ¹	NUMBER REPORTED FOR—												December
	January	February	March	April	May	June	July	August	September	October	November		
NEWSPAPER AND PERIODICAL—continued													
States, 1935—Continued													
Michigan.....	4,159	3,983	4,139	4,113	4,134	4,208	4,220	4,163	4,178	4,249	4,224	4,248	
Minnesota.....	2,977	2,921	2,943	2,943	2,976	3,005	2,968	2,970	3,016	3,005	3,049	3,053	
Mississippi.....	431	430	425	431	435	435	435	436	434	434	432	432	
Missouri.....	3,704	3,731	3,742	3,732	3,770	3,750	3,745	3,696	3,748	3,791	3,825	3,885	
Montana.....	562	547	554	554	570	564	562	559	568	575	577	571	
Nebraska.....	1,228	1,223	1,234	1,245	1,247	1,232	1,217	1,231	1,236	1,244	1,246	1,265	
Nevada.....	90	88	91	90	89	89	88	92	92	89	92	92	
New Hampshire.....	346	339	344	344	351	351	347	345	345	349	349	350	
New Jersey.....	2,924	2,912	2,931	2,930	2,972	2,954	2,863	2,856	2,896	2,970	2,985	3,008	
New Mexico.....	178	176	177	182	176	177	173	176	175	180	178	182	
New York.....	20,189	20,331	20,212	20,203	20,291	20,048	19,600	19,657	20,303	20,744	20,593	20,675	
North Carolina.....	1,105	1,085	1,087	1,097	1,101	1,113	1,102	1,108	1,110	1,117	1,127	1,124	
North Dakota.....	323	324	323	324	321	325	317	317	324	327	327	326	
Ohio.....	10,581	10,620	10,718	10,738	10,667	10,372	10,338	10,385	10,521	10,596	10,606	10,748	
Oklahoma.....	1,501	1,505	1,508	1,504	1,511	1,472	1,479	1,468	1,502	1,517	1,520	1,526	
Oregon.....	963	934	943	963	989	979	989	938	963	968	997	1,003	
Pennsylvania.....	11,897	11,384	11,447	11,431	11,413	11,364	11,281	11,254	11,352	11,447	11,466	11,584	
Rhode Island.....	665	662	667	667	664	669	661	655	665	664	667	672	
South Carolina.....	514	506	511	510	510	522	514	514	517	517	515	520	
South Dakota.....	445	441	441	441	443	447	447	451	447	446	447	446	
Tennessee.....	1,706	1,676	1,710	1,707	1,716	1,709	1,702	1,707	1,694	1,706	1,745	1,753	
Texas.....	3,464	3,449	3,458	3,441	3,449	3,428	3,411	3,407	3,477	3,529	3,531	3,598	
Utah.....	383	385	378	384	385	387	382	380	385	382	385	390	
Vermont.....	239	239	238	239	237	240	237	237	240	240	241	243	
Virginia.....	993	982	990	985	998	990	981	982	992	999	1,012	1,019	
Washington.....	1,643	1,621	1,625	1,648	1,640	1,637	1,628	1,635	1,631	1,652	1,680	1,707	
West Virginia.....	967	933	962	964	986	976	965	972	976	975	974	984	
Wisconsin.....	2,535	2,483	2,523	2,513	2,531	2,512	2,516	2,534	2,550	2,571	2,599	2,619	
Wyoming.....	167	170	165	165	165	165	166	169	163	166	165	173	

	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
United States	126,656	125,328	127,031	126,888	126,640	126,547	124,146	123,365	125,279	126,422	128,306	129,090	130,825	132,358		
Alabama	408	402	410	415	405	410	401	398	395	395	406	420	434			
Arizona	123	126	129	126	124	128	116	117	117	115	126	112	127			
Arkansas	305	284	311	316	310	295	297	292	316	323	318	308	294			
California	5,385	5,450	5,385	5,498	5,691	5,642	5,665	5,565	5,969	5,739	5,713	5,713	5,850			
Colorado	666	650	654	660	670	693	670	661	661	656	664	673	687			
Connecticut	1,673	1,658	1,676	1,693	1,699	1,686	1,647	1,661	1,661	1,673	1,674	1,680	1,668			
Delaware	1,102	1,064	1,091	1,140	1,119	1,072	1,057	1,041	1,041	1,138	1,148	1,155	1,157			
District of Columbia	1,107	1,117	1,115	1,125	1,097	1,101	1,064	1,068	1,097	1,101	1,113	1,149	1,151			
Florida	98	105	103	97	98	104	97	99	95	97	96	96	96			
Idaho	19,671	20,026	20,724	19,303	19,230	19,705	19,182	19,541	20,374	19,143	18,931	19,296	20,591			
Illinois	3,006	2,868	2,911	2,971	2,951	3,000	3,010	2,997	3,039	3,152	3,097	2,988	3,083			
Iowa	825	825	823	838	838	854	816	803	808	836	861	885	888			
Kansas	617	615	597	624	607	614	610	639	635	626	622	608	604			
Kentucky	1,187	1,191	1,191	1,183	1,192	1,214	1,136	1,183	1,156	1,191	1,214	1,202	1,194			
Louisiana	1,712	735	713	718	718	713	697	686	670	675	702	708	795			
Maine	285	281	295	302	302	296	286	278	275	273	278	280	279			
Maryland	2,536	2,435	2,470	2,500	2,535	2,538	2,505	2,540	2,547	2,575	2,609	2,581	2,003			
Massachusetts	7,773	7,692	7,852	7,862	7,722	7,639	7,683	7,582	7,712	7,944	7,856	7,813	7,923			
Michigan	4,520	4,632	4,587	4,578	4,570	4,590	4,523	4,357	4,254	4,453	4,581	4,557	4,549			
Minnesota	3,518	3,250	3,338	3,489	3,489	3,423	3,379	3,481	3,606	3,570	3,693	3,851	3,649			
Mississippi	3,179	3,172	3,174	3,170	3,175	3,175	3,180	3,177	3,182	3,181	3,189	3,184	3,187			
Missouri	4,334	4,269	4,274	4,316	4,306	4,230	4,164	4,231	4,291	4,362	4,474	4,521	4,573			
Montana	151	144	146	143	143	152	144	142	136	134	140	150	148			
Nebraska	672	665	667	667	678	683	679	674	661	670	675	668	680			
Nevada	29	30	30	29	27	27	30	30	28	28	27	29	28			
New Hampshire	715	750	736	731	694	737	724	697	693	709	703	700	700			
New Jersey	4,406	4,392	4,516	4,471	4,499	4,469	4,486	4,370	4,361	4,360	4,501	4,640	4,530			
New Mexico	45	42	44	45	43	43	49	48	47	43	45	44	42			
New York	26,550	26,731	26,731	26,949	26,792	26,542	25,813	25,229	25,774	26,562	27,440	27,695	27,933			
North Carolina	821	853	857	847	842	825	812	780	808	818	818	814	823			
North Dakota	110	107	105	108	100	112	111	112	110	110	110	110	109			
Ohio	10,044	9,661	9,862	10,108	10,183	10,626	9,868	9,840	9,934	10,219	10,356	10,261	10,217			
Oklahoma	422	404	402	416	414	420	428	431	417	443	434	424	430			

For footnotes, see end of table.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935—Continued
 (See sec. 11, p. 7)

	Average number employed during year ¹	NUMBER REPORTED FOR—											
		January	February	March	April	May	June	July	August	September	October	November	December
BOOK, MUSIC, AND JOB—continued													
States, 1935—Continued													
Oregon.....	502	498	482	525	513	500	495	479	480	503	497	515	526
Pennsylvania.....	10,789	10,792	10,874	10,842	10,877	10,877	10,895	10,827	10,803	10,800	10,984	10,977	10,999
Rhode Island.....	740	742	746	756	755	746	740	746	760	786	800	821	808
South Carolina.....	271	246	249	271	240	230	230	231	231	237	243	241	244
South Dakota.....	72	72	73	73	74	73	73	70	71	70	69	70	72
Tennessee.....	1,319	1,295	1,341	1,317	1,385	1,330	1,330	1,320	1,298	1,258	1,333	1,289	1,333
Texas.....	1,753	1,752	1,765	1,769	1,798	1,744	1,711	1,744	1,774	1,744	1,757	1,738	1,764
Utah.....	234	234	237	235	245	230	230	234	228	230	239	236	236
Vermont.....	225	221	224	221	222	213	213	208	212	241	236	246	246
Virginia.....	1,269	1,255	1,274	1,269	1,287	1,277	1,277	1,259	1,266	1,247	1,268	1,295	1,287
Washington.....	750	705	733	747	760	760	752	741	750	772	788	769	766
West Virginia.....	316	308	310	310	330	319	322	319	321	319	319	317	315
Wisconsin.....	3,281	3,316	3,372	3,340	3,216	3,152	3,152	3,101	3,158	3,233	3,441	3,494	3,380
Wyoming.....	44	42	45	43	45	46	46	46	46	45	44	42	43

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.
¹ As the averages for 1935 given in this table are derived from the figures for the 12 months in the calendar year, some of them differ from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

TABLE 4.—PRODUCTS AND RECEIPTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929
1. The Printing and Publishing industries, all products and receipts, total.....	\$1,891,638,715	\$1,524,989,686	\$2,212,267,193	\$2,760,195,928
2. Printing and publishing.....	1,848,585,785	1,494,881,060	2,167,522,038	2,704,700,980
3. Products normally belonging to industries allied to printing and publishing ¹	36,521,897	27,102,194	40,655,122	51,546,262
4. Products not normally belonging either to printing and publishing or to allied industries.....	6,531,033	3,506,432	4,090,033	3,948,686
5. Printing reported as a secondary activity by establishments engaged primarily in activities other than printing and publishing.....	16,938,563	11,103,346	17,291,350	6,905,647
Printing and publishing, aggregate value and receipts (sum of 2 and 5) ²	1,865,524,348	1,505,484,406	2,184,813,388	2,711,606,627
Newspapers and periodicals printed and published, or published only, total.....	1,089,810,915	937,114,030	1,293,776,880	1,580,564,823
Subscriptions and sales.....	403,690,506	367,439,817	425,266,867	460,326,428
Advertising.....	686,120,409	569,674,213	868,510,013	1,120,238,395
Newspapers, total.....	760,247,048	667,820,090	886,522,801	1,073,119,362
Subscriptions and sales.....	260,224,340	239,147,402	261,568,832	275,781,131
Advertising.....	500,022,708	428,672,688	624,953,969	797,338,231
Periodicals other than newspapers, total.....	329,563,867	269,293,940	407,254,079	507,445,461
Subscriptions and sales.....	143,466,166	128,292,415	163,698,035	184,545,297
Advertising.....	186,097,701	141,001,525	243,556,044	322,900,164
Books and pamphlets printed and published, or published only.....	135,958,021	95,312,192	146,437,985	199,014,700
Composition sold to the trade ²	23,240,246	16,306,124	25,475,957	30,647,365
Paper patterns: ³				
Printed.....	5,566,093			
Other.....	1,279,298	7,499,612	11,622,243	12,965,867
Sheet music and books of music printed and published.....	522,674	592,970	⁴ 12,203,657	⁴ 16,537,747
Maps, atlases, and globe covers made and published.....	3,780,444	2,322,874		
Commercial printing, total ²	603,797,270	446,336,604	695,296,666	871,876,125
Newspapers and periodicals printed for publication by others ²	67,391,090	54,118,070	70,639,957	71,530,971
Books and pamphlets printed for publication by others ²	63,188,623	47,253,895	86,097,303	57,997,516
Ready prints ²	1,209,907	2,322,342	3,482,319	4,111,532

For footnotes, see end of table.

TABLE 4.—PRODUCTS AND RECEIPTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1929 TO 1935—Continued

	1935	1933	1931	1929	
Printing and publishing—Continued.					
Commercial printing—Continued.					
Music printed for others ²	\$1,086,832	\$929,130	(⁵)	(⁵)	
Maps and atlases made for others ² ³	1,334,963	317,008			
Other commercial printing, total.....	469,585,855	341,396,159	\$535,077,087	\$738,246,108	
Labels: ³					
Printed.....	32,128,903	20,358,256	26,582,723	(⁵)	
Embossed.....	282,965				
Direct-mail:					
Books and pamphlets.....	12,103,988	12,808,237	35,925,374		
Letters, circulars, etc.....	9,835,410				
Other.....	485,131				
Greeting cards ³	15,967,088	7,801,381	15,477,178		
Tags and seals ³	8,295,751	7,321,822	10,134,493		
Legal.....	6,366,787	4,247,025	6,525,648		
Railroad-tariff.....	3,624,559	3,834,241	8,035,450		
General commercial printing.....	379,495,273	285,025,197	432,396,221		
Manufacturing done in printing establishments ⁷	1,569,387	(⁶)	(⁶)	(⁶)	

¹ Receipts for bookbinding, electrotyping, engraving, lithographing, photoengraving, etc., done in establishments engaged primarily in printing and publishing.

² The inclusion of "Composition sold to the trade," "Newspapers and periodicals printed for publication by others," "Books and pamphlets printed for publication by others," "Ready prints," and "Maps and atlases made for others" results in duplication in the aggregate value and receipts, as follows: 1935, \$156,364,829; 1933, \$120,317,439; 1931, \$185,695,536; 1929, \$164,277,384. (Figures for 1931 and 1929 do not include data for "Maps and atlases made for others," such maps and atlases not having been reported separately for those years.) These amounts represent receipts by commercial printers for work done by them for other printers or for publishers, and consequently enter twice into the aggregate value and receipts.

³ In addition, patterns, music, maps and atlases, labels, greeting cards, and tags and seals were produced by methods other than printing, as follows:

Paper patterns: Lithographed—1935, \$933,416; 1933, 1931, and 1929, no data. Unprinted—1935, \$4,448,535; 1933, 1931, and 1929, no data.

Music: Lithographed—1935, \$1,064,826; 1933, \$818,713; 1931, \$1,063,809; 1929, no data. Engraved—1935, \$92,382; 1933, 1931, and 1929, no data.

Maps and atlases: Lithographed—1935, \$1,041,758; 1933, \$563,819; 1931 and 1929, no data.

Labels: Lithographed—1935, \$19,332,458; 1933, \$13,381,016; 1931, \$14,690,752; 1929, no data. Engraved—1935, \$919,000; 1933, 1931, and 1929, no data.

Greeting cards: Lithographed—1935, \$6,143,995; 1933, \$3,554,316; 1931, \$3,049,468; 1929, \$1,262,590. Engraved—1935, \$3,033,509; 1933, \$2,261,050; 1931, \$5,619,062; 1929, \$4,298,107. Other than printed, lithographed, or engraved—1935, \$2,362,849; 1933, \$3,840,601; 1931, \$5,053,085; 1929, no data.

Tags and seals: Lithographed—1935, \$1,007,523; 1933, \$708,140; 1931, \$268,264; 1929, no data. Blank—1935, \$1,678,510; 1933, \$603,477; 1931, \$594,102; 1929, no data.

⁴ Includes value of music published by establishments that did no printing; no similar data collected for 1933 or 1935. Includes also value of music printed for others; corresponding value for 1933 and 1935 shown below under "Commercial printing."

⁵ Included above in value of "Sheet music and books of music printed and published."

⁶ No data.

⁷ No data collected for manufacturing done by establishments engaged wholly or chiefly in this class of work.

TABLE 5.—PRODUCTS, BY CLASS AND VALUE, BY STATES: 1935

	NEWSPAPERS PRINTED AND PUBLISHED, OR PUBLISHED ONLY		PERIODICALS PRINTED AND PUBLISHED, OR PUBLISHED ONLY		Books and pamphlets printed and published, or published only	Maps, atlases, and globe covers made and published	Paper patterns, printed and other 1
	Subscriptions and sales	Advertising	Subscriptions and sales	Advertising			
United States..	\$260,224,340	\$500,022,708	\$143,466,166	\$186,097,701	\$135,958,021	\$3,780,444	\$6,845,391
Alabama.....	1,653,338	3,237,800	488,071	888,080	7,455	-----	-----
Arizona.....	504,953	1,365,043	23,393	70,361	11,900	-----	-----
Arkansas.....	929,574	1,898,799	22,827	49,841	35,364	-----	-----
California.....	17,699,235	37,817,895	1,999,609	5,450,014	1,396,299	(^o)	-----
Colorado.....	2,760,071	5,251,578	154,675	176,419	19,000	-----	-----
Connecticut.....	3,061,556	7,237,807	3,643,062	3,870,019	464,025	-----	(^o)
Delaware.....	262,583	884,779	12,580	13,190	-----	-----	-----
District of Columbia.....	2,644,733	8,177,034	6,746,136	2,634,232	762,931	(^o)	-----
Florida.....	2,257,723	6,467,691	54,307	252,096	-----	-----	(^o)
Georgia.....	3,210,158	5,009,742	140,520	645,803	183,590	-----	-----
Idaho.....	380,230	1,129,367	6,622	3,000	-----	-----	-----
Illinois.....	25,419,151	39,935,098	12,444,888	15,368,077	20,153,213	1,263,414	-----
Indiana.....	5,466,991	12,123,159	1,784,073	1,052,039	1,129,813	(^o)	-----
Iowa.....	5,058,464	8,683,927	719,035	3,420,731	175,717	(^o)	-----
Kansas.....	2,096,269	5,130,181	1,381,166	2,163,611	30,560	-----	-----
Kentucky.....	2,244,948	4,868,654	180,855	206,554	64,561	-----	-----
Louisiana.....	2,000,612	4,399,325	124,152	103,912	22,511	-----	-----
Maine.....	1,148,329	2,261,903	475,546	519,832	21,208	-----	-----
Maryland.....	3,100,545	7,523,955	446,883	435,692	760,309	-----	-----
Massachusetts.....	15,655,519	26,785,225	4,337,963	2,440,313	15,876,357	(^o)	(^o)
Michigan.....	10,937,610	21,035,572	711,456	2,441,251	830,044	-----	(^o)
Minnesota.....	4,469,960	10,690,469	1,254,493	2,382,106	3,768,033	-----	-----
Mississippi.....	458,929	1,483,570	23,746	4,915	-----	-----	-----
Missouri.....	8,096,451	18,303,877	2,380,535	2,019,566	1,995,421	-----	-----
Montana.....	752,471	1,573,099	20,128	128,188	-----	-----	-----
Nebraska.....	2,604,861	4,715,498	276,266	293,494	228,954	-----	-----
Nevada.....	139,961	391,367	-----	-----	256	-----	-----
New Hampshire.....	365,787	1,133,527	25,958	23,524	-----	-----	-----
New Jersey.....	4,954,693	14,824,314	471,350	430,236	1,984,330	-----	(^o)
New Mexico.....	296,763	625,104	740	11,466	-----	-----	-----
New York.....	58,966,198	86,216,446	63,164,183	70,629,563	68,461,056	(^o)	3,188,816
North Carolina.....	2,390,570	4,715,518	133,539	70,906	52,005	-----	-----
North Dakota.....	515,392	1,082,631	12,651	17,100	-----	-----	-----
Ohio.....	14,712,574	32,255,397	19,986,912	26,301,148	5,577,876	(^o)	(^o)
Oklahoma.....	2,349,416	5,931,086	268,559	715,542	147,471	-----	-----
Oregon.....	2,190,143	4,517,043	242,839	423,430	28,516	(^o)	-----
Pennsylvania.....	21,635,607	42,380,755	14,978,325	35,909,148	8,782,461	81,657	-----
Rhode Island.....	1,349,012	3,901,541	39,573	54,963	15,942	-----	-----
South Carolina.....	1,084,169	1,829,234	41,832	5,916	-----	-----	-----
South Dakota.....	577,925	1,106,103	9,410	91,093	-----	-----	-----
Tennessee.....	3,202,048	5,676,276	2,094,584	339,149	943,382	(^o)	-----
Texas.....	5,986,039	15,635,921	845,098	1,558,338	603,893	-----	-----
Utah.....	751,888	1,834,444	174,718	90,039	86,883	-----	-----
Vermont.....	325,779	841,150	-----	-----	38,575	(^o)	-----
Virginia.....	2,078,159	5,509,230	365,517	144,293	709,223	-----	-----
Washington.....	3,882,148	7,652,780	145,240	844,069	111,515	(^o)	-----
West Virginia.....	1,662,114	3,317,418	20,903	14,362	2,200	-----	-----
Wisconsin.....	5,716,027	9,751,390	580,065	1,080,978	474,869	-----	-----
Wyoming.....	155,614	697,986	5,153	8,862	-----	-----	-----
Undistributed 7	-----	-----	-----	-----	-----	2,435,373	3,656,755

For footnotes, see end of table.

TABLE 5.—PRODUCTS, BY CLASS AND VALUE, BY STATES: 1935—Continued

	COMMERCIAL PRINTING						
	Composi- tion sold to trade	Newspap- ers and periodicals printed for publication by others	Books and pamphlets printed for publication by others	Ready prints	Labels, printed and embossed	Tags and seals ¹	Maps and at- lases made for others ¹
United States.....	\$23,240,246	\$67,391,090	\$63,188,623	\$1,209,907	\$32,411,868	\$9,295,751	\$1,334,963
Alabama.....	80,984	125,974	165,873	(⁶)	10,900	10,425	(⁶)
Arizona.....	(⁶)	99,030	33,200	(⁶)	1,300	(⁶)	(⁶)
Arkansas.....	1,456	35,077	41,746	(⁶)	26,446	25,767	(⁶)
California.....	1,136,147	2,998,012	1,411,587	(⁶)	2,813,763	465,016	12,492
Colorado.....	55,941	233,289	100,389	(⁶)	50,029	5,982	(⁶)
Connecticut.....	146,663	1,538,086	694,109	(⁶)	222,379	26,854	(⁶)
Delaware.....	(⁶)	3,035	35,500	(⁶)	4,179	5,000	(⁶)
Dist. of Columbia.....	160,604	1,701,167	704,544	(⁶)	39,130	9,352	(⁶)
Florida.....	22,769	80,025	144,482	(⁶)	94,146	31,092	(⁶)
Georgia.....	93,927	420,160	453,936	(⁶)	130,364	77,739	(⁶)
Idaho.....	(⁶)	26,896	66,809	(⁶)	(⁶)	(⁶)	(⁶)
Illinois.....	3,435,677	20,236,375	15,175,392	60,242	4,253,023	1,177,749	(⁶)
Indiana.....	769,938	785,066	2,471,543	(⁶)	617,151	272,900	(⁶)
Iowa.....	123,434	362,973	427,724	58,174	39,060	5,721	(⁶)
Kansas.....	14,329	149,919	98,721	(⁶)	41,222	11,673	(⁶)
Kentucky.....	188,256	1,027,084	45,218	(⁶)	92,685	8,568	(⁶)
Louisiana.....	61,226	91,824	130,789	(⁶)	97,464	22,310	(⁶)
Maine.....	78,336	43,083	153,217	(⁶)	10,396	3,132	(⁶)
Maryland.....	379,444	1,073,805	1,586,322	(⁶)	2,348,230	53,140	(⁶)
Massachusetts.....	1,767,992	1,382,232	3,034,838	(⁶)	1,363,349	1,544,205	(⁶)
Michigan.....	1,514,760	1,643,228	2,221,394	(⁶)	980,575	211,493	(⁶)
Minnesota.....	512,471	857,459	1,499,048	105,041	577,067	184,083	16,670
Mississippi.....	(⁶)	77,607	35,977	(⁶)	6,605	3,500	(⁶)
Missouri.....	644,804	704,356	1,438,469	168,219	1,725,738	215,755	(⁶)
Montana.....	(⁶)	41,931	25,806	(⁶)	1,951	3,466	(⁶)
Nebraska.....	98,925	144,177	134,649	(⁶)	7,353	12,110	(⁶)
Nevada.....	(⁶)	10,001	1,496	(⁶)	(⁶)	(⁶)	(⁶)
New Hampshire.....	1,741	1,388,052	101,531	(⁶)	23,687	2,000	(⁶)
New Jersey.....	703,946	3,374,346	3,989,731	(⁶)	1,096,674	410,710	3,567
New Mexico.....	1,575	18,198	14,505	(⁶)	(⁶)	(⁶)	(⁶)
New York.....	7,120,147	13,137,675	11,964,262	161,070	6,041,915	1,661,186	154,491
North Carolina.....	29,328	237,514	177,959	(⁶)	441,156	63,084	(⁶)
North Dakota.....	(⁶)	71,660	23,557	(⁶)	2,636	(⁶)	(⁶)
Ohio.....	1,340,201	3,534,741	2,226,973	119,461	4,149,718	1,207,202	3,007
Oklahoma.....	48,944	120,386	142,033	(⁶)	3,209	1,045	(⁶)
Oregon.....	93,609	227,303	87,815	(⁶)	126,430	6,692	(⁶)
Pennsylvania.....	1,405,931	5,541,108	5,639,694	26,538	2,726,011	1,082,389	(⁶)
Rhode Island.....	89,603	13,331	350,296	(⁶)	168,613	165,319	(⁶)
South Carolina.....	(⁶)	24,590	57,275	(⁶)	41,731	25,567	(⁶)
South Dakota.....	(⁶)	12,513	64,363	(⁶)	4,485	3,886	(⁶)
Tennessee.....	212,122	714,959	1,001,294	(⁶)	708,626	23,234	(⁶)
Texas.....	230,131	493,026	377,710	40,153	117,853	139,058	(⁶)
Utah.....	24,513	53,621	174,722	(⁶)	14,330	1,570	(⁶)
Vermont.....	1,830	176,676	131,506	(⁶)	1,404	3,475	(⁶)
Virginia.....	93,314	341,076	482,114	(⁶)	161,965	22,685	(⁶)
Washington.....	145,366	669,954	159,088	(⁶)	146,947	27,011	(⁶)
West Virginia.....	9,151	43,845	68,282	(⁶)	4,805	1,008	(⁶)
Wisconsin.....	389,489	1,299,108	3,620,480	(⁶)	868,790	59,439	(⁶)
Wyoming.....	(⁶)	5,537	655	(⁶)	(⁶)	(⁶)	(⁶)
Undistributed ²	1,222	(⁶)	(⁶)	445,983	1,353	2,069	1,144,670

For footnotes, see end of table.

TABLE 5.—PRODUCTS, BY CLASS AND VALUE, BY STATES: 1935—Continued

	COMMERCIAL PRINTING—continued						Manifold- ing done in print- ing estab- lishments
	Greeting cards ¹	Music ¹	Direct-mail		Other commercial printing		
			Books and pamphlets	Letters, circulars, etc.	Railroad- tariff and legal	General job printing	
United States.....	\$15,967,088	\$1,609,506	\$12,103,988	\$10,320,541	\$9,991,346	\$379,495,273	\$1,569,387
Alabama.....	2,100	-----	10,950	11,300	14,889	1,883,464	(⁶)
Arizona.....	-----	-----	-----	1,014	390	648,562	-----
Arkansas.....	11,190	-----	44,600	24,641	24,411	1,238,762	-----
California.....	419,685	22,114	314,835	203,033	634,630	22,773,953	400,036
Colorado.....	14,462	-----	2,940	48,306	40,808	2,824,517	(⁶)
Connecticut.....	7,270	-----	145,813	269,195	117,889	6,104,496	-----
Delaware.....	10,000	-----	-----	-----	-----	433,847	-----
Dist. of Columbia.....	6,611	-----	9,750	75,372	497,626	1,917,398	(⁶)
Florida.....	50,892	-----	28,950	13,608	16,753	3,120,052	(⁶)
Georgia.....	21,000	12,973	133,196	35,410	285,445	3,337,639	(⁶)
Idaho.....	-----	-----	3,138	15,586	7,724	650,951	(⁶)
Illinois.....	1,214,112	57,843	1,926,675	1,996,443	1,812,939	45,591,016	46,444
Indiana.....	12,300	-----	206,331	258,006	282,144	7,300,612	(⁶)
Iowa.....	45,854	-----	105,820	47,316	42,139	4,353,574	(⁶)
Kansas.....	3,700	-----	31,495	29,858	18,614	3,694,867	(⁶)
Kentucky.....	5,312	151,605	22,850	39,863	132,865	3,113,858	-----
Louisiana.....	(⁶)	-----	30,743	27,565	164,242	2,734,494	-----
Maine.....	(⁶)	-----	11,267	3,550	14,123	1,039,518	-----
Maryland.....	20,000	(⁶)	202,850	486,399	142,960	5,126,924	-----
Massachusetts.....	3,883,985	166,502	393,932	224,327	132,917	19,211,492	10,524
Michigan.....	133,378	-----	2,168,887	675,809	140,000	15,501,482	21,057
Minnesota.....	519,558	(⁶)	614,886	242,969	267,685	10,747,177	11,351
Mississippi.....	-----	-----	6,600	5,115	6,680	952,321	-----
Missouri.....	1,616,426	80,484	111,032	104,542	809,344	13,097,926	(⁶)
Montana.....	-----	-----	12,816	1,439	23,982	979,154	-----
Nebraska.....	-----	-----	45,207	66,253	51,617	3,648,583	-----
Nevada.....	-----	-----	-----	-----	-----	251,474	(⁶)
New Hampshire.....	-----	-----	3,551	350	7,089	1,010,882	-----
New Jersey.....	77,715	-----	46,504	157,255	76,913	11,096,385	60,101
New Mexico.....	(⁶)	-----	1,379	1,160	7,088	389,204	-----
New York.....	3,488,880	942,608	2,624,253	2,404,985	3,126,627	84,430,108	429,685
North Carolina.....	(⁶)	-----	18,842	16,860	36,354	2,632,761	(⁶)
North Dakota.....	-----	-----	3,654	1,322	5,108	736,052	(⁶)
Ohio.....	3,569,602	(⁶)	1,276,993	1,414,577	281,275	31,868,687	464,817
Oklahoma.....	-----	-----	25,575	11,756	64,501	2,177,987	5,131
Oregon.....	7,511	(⁶)	75,496	21,852	16,744	1,995,824	2,052
Pennsylvania.....	207,426	165,473	469,119	554,377	304,905	28,060,174	15,437
Rhode Island.....	-----	-----	282,324	124,762	-----	2,002,180	-----
South Carolina.....	2,000	-----	7,680	4,910	27,411	963,027	-----
South Dakota.....	(⁶)	-----	1,200	1,338	15,414	526,384	-----
Tennessee.....	2,695	8,145	32,345	51,922	17,104	3,235,059	9,414
Texas.....	24,184	-----	122,398	105,812	117,300	7,229,615	(⁶)
Utah.....	-----	-----	4,319	3,149	3,845	1,018,637	-----
Vermont.....	-----	-----	5,221	2,127	2,825	517,381	-----
Virginia.....	11,855	-----	43,040	1,500	88,871	4,160,251	(⁶)
Washington.....	12,980	-----	27,184	58,941	78,179	3,326,458	(⁶)
West Virginia.....	-----	-----	-----	1,200	4,579	1,532,768	-----
Wisconsin.....	560,679	-----	442,848	472,867	21,377	8,461,083	12,456
Wyoming.....	-----	-----	4,500	600	5,021	306,253	-----
Undistributed ⁷	3,726	2,259	-----	-----	-----	-----	80,882

¹ See footnote 3, table 4, p. 574.

² Printed, \$5,566,003; other (stencil and transfer), \$1,279,298.

³ Printed, \$32,128,903; embossed, \$282,965.

⁴ Printed and published, \$522,674; printed for others, \$1,086,832.

⁵ Railroad-tariff, \$3,624,539; legal, \$6,366,787.

⁶ Combined in "Undistributed" item to avoid disclosing, exactly or approximately, data for individual printers or publishers.

⁷ These figures are the sums of those for the items covered by footnote 6 in the respective columns.

TABLE 6.—NEWSPAPERS AND PERIODICALS PUBLISHED, BY CLASS, NUMBER, AND CIRCULATION, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929
All classes, number.....	12, 285	10, 343	14, 186	15, 333
Aggregate circulation ¹	265, 815, 821	251, 058, 113	269, 984, 869	293, 799, 628
Daily (excluding Sunday), total:				
Number.....	2, 233	2, 080	2, 248	2, 293
Circulation.....	41, 552, 243	38, 424, 281	42, 124, 651	42, 947, 824
Newspapers:				
Number.....	2, 037	1, 903	2, 044	2, 086
Circulation.....	40, 870, 546	37, 630, 345	41, 293, 659	42, 015, 461
Periodicals:				
Number.....	196	177	204	207
Circulation.....	681, 697	793, 936	830, 992	932, 363
Sunday:				
Number.....	523	489	555	578
Circulation.....	29, 196, 005	25, 453, 894	27, 453, 465	29, 011, 648
Triweekly:				
Number.....	44	40	57	64
Circulation.....	142, 928	165, 703	215, 694	311, 777
Semiweekly:				
Number.....	359	279	377	403
Circulation.....	3, 852, 640	2, 836, 080	2, 637, 126	2, 982, 184
Weekly, total:				
Number.....	6, 303	5, 096	7, 379	8, 233
Circulation.....	57, 932, 576	51, 413, 509	46, 954, 782	53, 378, 350
Newspapers: ²				
Number.....	5, 337	4, 218	6, 313	7, 075
Circulation.....	15, 284, 366	12, 048, 317	16, 173, 234	18, 833, 551
Periodicals:				
Number.....	966	878	1, 066	1, 153
Circulation.....	42, 648, 210	39, 365, 192	30, 781, 548	34, 494, 709
Semimonthly: ³				
Number.....	171	145	205	224
Circulation.....	5, 507, 919	4, 592, 507	6, 375, 456	9, 168, 453
Monthly:				
Number.....	2, 009	1, 664	2, 552	2, 799
Circulation.....	102, 193, 740	103, 192, 794	122, 670, 523	133, 048, 483
Quarterly:				
Number.....	510	462	629	562
Circulation.....	23, 277, 089	23, 237, 557	19, 575, 617	20, 605, 002
Other classes:				
Number.....	133	97	184	173
Circulation.....	2, 160, 680	1, 741, 779	1, 977, 550	2, 345, 897

¹ Calculated by totalizing returns for average circulation per issue as made for individual publications.

² See "Effect of \$5,000 limit on coverage," p. 564.

³ Includes one publication reported as biweekly.

TABLE 7.—PERIODICALS PUBLISHED, BY CLASS, NUMBER, AND CIRCULATION, FOR THE UNITED STATES: 1935 AND 1933

CLASS	NUMBER		AGGREGATE CIRCULATION PER ISSUE	
	1935	1933	1935	1933
Total.....	4, 018	3, 459	178, 613, 672	174, 759, 493
Agriculture, stock raising, etc.....	166	160	19, 135, 361	19, 973, 793
Art, music, and drama.....	43	39	389, 024	672, 925
Automobiles, motor boats, etc.....	64	56	1, 396, 820	2, 158, 532
Commerce, finance, and insurance.....	236	178	2, 164, 665	1, 774, 546
Educational.....	132	115	5, 535, 823	4, 058, 154
Fraternal.....	94	85	5, 900, 770	5, 847, 800
Labor (by labor organizations).....	143	115	3, 125, 148	1, 940, 093
Legal.....	91	83	185, 816	160, 685
Medicine, surgery, and dentistry.....	114	105	1, 322, 686	1, 217, 813
Motion pictures.....	39	22	3, 365, 338	3, 450, 181
News summaries, general literature, and fiction.....	263	249	60, 201, 080	59, 897, 221
Religion (denominational).....	1, 290	957	45, 755, 983	45, 703, 700
Science and technology.....	116	116	3, 403, 473	2, 118, 231
Society, fashion, beauty culture, etc.....	42	48	7, 838, 856	11, 058, 806
Sports, games, and amusements.....	110	89	3, 549, 540	1, 996, 888
Trade journals not elsewhere classified.....	719	632	6, 731, 897	6, 175, 930
University and college ¹	146	166	636, 305	728, 728
Miscellaneous.....	210	184	7, 975, 087	5, 819, 357

¹ Publications issued on a commercial basis, deriving income from subscriptions and advertising. High-school periodicals not included.

PRINTING AND PUBLISHING

579

TABLE 8.—BOOKS AND PAMPHLETS PUBLISHED, BY CLASS AND NUMBER OF COPIES, FOR THE UNITED STATES: 1929 TO 1935

	NUMBER OF COPIES			
	1935	1933	1931	1929
Aggregate.....	345,822,762	¹ 258,948,413	370,515,790	¹ 430,199,433
Books, total.....	140,651,953	¹ 110,789,913	154,461,622	¹ 214,334,423
Agriculture.....	177,071	131,382	276,929	688,810
Bibles and testaments.....	591,173	666,448	1,376,680	} 17,625,949
Religion and philosophy.....	6,047,676	6,764,254	11,803,951	
Biography.....	2,575,172	1,449,315	2,175,864	2,714,090
Fiction.....	15,239,375	11,527,519	19,248,703	¹ 26,880,082
Fine arts.....	165,903	335,262	723,735	1,133,855
History.....	673,640	831,858	1,192,929	¹ 1,950,495
Juvenile.....	23,170,394	22,346,400	¹ 23,189,823	36,885,167
Law.....	1,874,299	1,812,946	1,962,901	2,942,176
Medicine.....	1,241,665	674,763	1,440,958	1,932,909
Poetry and drama.....	2,267,990	1,989,647	2,589,831	4,048,227
Science and technology.....	1,937,084	1,611,642	1,818,585	2,294,660
Sociology and economics.....	1,013,272	1,113,513	620,451	1,052,049
Textbooks (for school use).....	69,180,378	¹ 48,070,083	65,292,430	80,189,935
Travel and geography.....	1,435,155	885,535	¹ 1,305,527	1,725,561
Bluebooks, directories, catalogs, etc.....	1,744,707	2,174,222	4,276,765	} 32,270,478
Miscellaneous.....	11,316,799	7,805,245	¹ 11,865,560	
Not reported by class.....		599,779	3,300,000	
Pamphlets, total.....	194,609,618	143,487,479	216,054,168	215,865,010
Juvenile.....	13,823,211	5,324,322	7,692,942	8,273,065
Texts (for school use).....	35,611,826	14,995,206	24,706,253	39,696,168
All other.....	145,174,581	123,167,951	183,654,973	¹ 167,895,787
Maps, atlases, and globe covers.....	10,561,191	4,671,021	(²)	(²)

¹ Revised.

² No data.

TABLE 9.—DAILY AND SUNDAY NEWSPAPERS—NUMBER, BY STATES: 1929 TO 1935

	NUMBER											
	Morning				Evening				Sunday			
	1935	1933	1931	1929	1935	1933	1931	1929	1935	1933	1931	1929
United States.....	464	432	455	459	1,573	1,471	1,589	1,627	523	489	555	578
Alabama.....	3	3	3	3	18	18	18	18	8	9	9	10
Arizona.....	5	6	6	7	7	6	8	10	5	6	5	9
Arkansas.....	6	5	5	5	31	24	27	28	5	8	9	9
California.....	45	42	47	52	112	105	111	117	40	36	47	48
Colorado.....	7	7	6	5	26	22	24	24	7	10	9	8
Connecticut.....	7	7	6	6	22	23	26	26	5	6	5	4
Delaware.....	1	1	1	1	1	1	3	2				
District of Columbia.....	3	3	4	4	4	4	4	4	3	3	3	3
Florida.....	13	12	12	10	33	26	28	30	22	21	19	19
Georgia.....	7	6	5	5	23	17	20	20	13	12	15	19
Idaho.....	4	4	5	6	15	13	14	10	4	4	6	6
Illinois.....	17	19	24	22	88	88	91	98	22	24	26	26
Indiana.....	15	11	13	16	87	79	88	89	17	16	15	17
Iowa.....	5	3	4	5	40	41	43	38	7	7	8	8
Kansas.....	8	6	6	7	52	47	52	52	8	9	9	9
Kentucky.....	7	5	9	8	23	19	22	22	11	8	10	12
Louisiana.....	6	5	5	5	10	11	10	10	5	7	6	6
Maine.....	5	5	5	5	7	6	6	6	1	1	1	1
Maryland.....	4	4	4	5	6	9	10	10	3	3	3	3
Massachusetts.....	15	13	12	14	52	56	60	60	11	10	13	14
Michigan.....	5	6	7	6	54	51	55	58	13	12	16	15
Minnesota.....	8	7	6	4	28	28	30	34	8	7	7	7
Mississippi.....	4	5	2	3	13	12	13	11	4	5	4	6
Missouri.....	11	10	10	10	47	44	51	51	14	13	14	13
Montana.....	13	10	10	11	8	9	10	9	10	9	10	10
Nebraska.....	7	6	6	7	19	16	17	17	7	8	9	9
Nevada.....	2	1	2	2	6	7	7	7	1	1	2	2
New Hampshire.....	1	2	2	1	10	9	10	10				
New Jersey.....	8	10	9	7	28	22	28	31	4	7	6	9
New Mexico.....	2	2	2	2	12	9	8	7	3	3	2	2
New York.....	48	49	50	51	95	95	103	107	38	41	42	44
North Carolina.....	10	7	9	10	27	25	28	27	13	11	11	14
North Dakota.....	3	2	2	3	8	9	10	8	2	2	2	2
Ohio.....	21	19	18	20	109	100	116	114	24	20	29	34
Oklahoma.....	13	11	12	10	49	42	45	48	38	31	34	28
Oregon.....	5	4	6	7	20	18	19	21	7	7	8	9
Pennsylvania.....	38	39	36	35	107	109	113	120	12	14	15	15
Rhode Island.....	2	2	2	2	8	8	8	9	2	2	2	4
South Carolina.....	6	6	6	6	10	7	8	10	7	5	8	7
South Dakota.....	2	3	3	2	15	10	12	12	3	3	3	3
Tennessee.....	5	4	5	5	18	21	20	17	10	9	9	9
Texas.....	25	24	32	26	98	82	86	91	62	43	55	56
Utah.....	2	2	1	1	5	5	6	7	3	2	5	5
Vermont.....	2	2	2	2	7	8	7	7				
Virginia.....	10	10	10	8	20	17	19	21	11	10	11	11
Washington.....	10	8	10	10	27	28	26	26	12	7	12	12
West Virginia.....	9	10	10	10	23	20	22	21	9	9	9	10
Wisconsin.....	4	4	2	6	39	40	46	47	7	7	9	9
Wyoming.....	5		1	1	6	5	5	5	2	1	3	2

TABLE 10.—DAILY AND SUNDAY NEWSPAPERS—CIRCULATION, BY STATES: 1935 AND 1933

[This table presents statistics for all States for which separate figures can be given without disclosing, exactly or approximately, the circulation figures reported by individual publishers]

	AGGREGATE CIRCULATION PER ISSUE ¹					
	Morning		Evening		Sunday	
	1935	1933	1935	1933	1935	1933
United States.....	15,983,996	14,781,657	24,886,550	22,848,688	29,196,006	25,453,894
Alabama.....	86,343	76,536	261,087	218,458	201,434	192,492
Arizona.....	50,009	48,292	89,216	27,693	53,213	48,846
Arkansas.....	79,826	69,467	107,870	98,617	134,315	136,742
California.....	917,901	919,873	1,438,212	1,242,520	1,809,384	1,583,604
Colorado.....	64,308	51,763	260,006	227,691	404,809	424,816
Connecticut.....	120,030	106,803	331,062	317,066	168,412	220,851
Delaware.....	(²)	(²)	(²)	(²)	(²)	(²)
District of Columbia.....	209,900	151,322	320,682	289,935	423,935	339,520
Florida.....	225,639	238,118	208,979	168,346	314,427	322,724
Georgia.....	186,966	160,823	303,725	248,336	555,352	475,310
Idaho.....	35,412	29,637	58,214	50,355	36,175	29,618
Illinois.....	1,751,404	1,885,771	1,821,582	1,662,997	2,778,221	2,418,394
Indiana.....	331,445	235,132	776,246	725,260	444,165	379,610
Iowa.....	210,653	168,734	571,534	502,505	478,446	380,558
Kansas.....	125,234	109,395	323,933	303,241	253,752	235,979
Kentucky.....	149,073	134,735	298,986	243,584	262,066	217,314
Louisiana.....	203,938	191,520	182,782	169,488	295,481	443,428
Maine.....	104,919	97,447	74,918	71,888	(²)	(²)
Maryland.....	38,068	155,798	382,464	392,285	441,444	395,570
Massachusetts.....	1,152,551	1,112,872	1,359,161	1,292,927	1,476,843	1,335,145
Michigan.....	289,231	248,114	1,175,745	1,025,394	1,155,133	933,519
Minnesota.....	190,543	176,306	627,703	555,761	584,814	489,977
Mississippi.....	40,434	30,040	97,386	79,038	87,342	72,541
Missouri.....	605,609	609,639	974,951	933,956	996,109	949,661
Montana.....	77,389	59,457	29,782	31,101	88,406	67,619
Nebraska.....	156,737	93,467	306,541	265,681	313,494	311,600
Nevada.....	(²)	(²)	(²)	(²)	(²)	(²)
New Hampshire.....	(²)	(²)	55,170	52,595	(²)	(²)
New Jersey.....	159,770	247,232	637,760	543,255	67,753	125,369
New Mexico.....	(²)	(²)	42,368	37,524	19,143	19,174
New York.....	4,244,567	4,168,334	3,438,859	3,234,429	7,962,261	6,649,514
North Carolina.....	228,530	177,699	189,335	161,087	292,898	232,893
North Dakota.....	32,345	(²)	51,395	49,320	(²)	(²)
Ohio.....	622,327	500,386	2,024,545	1,877,614	1,214,634	1,023,723
Oklahoma.....	238,110	222,088	362,163	323,229	462,710	395,459
Oregon.....	122,046	106,002	252,346	233,940	278,570	307,962
Pennsylvania.....	1,149,592	1,148,700	2,227,191	2,028,255	1,833,247	1,751,849
Rhode Island.....	(²)	(²)	189,811	180,786	(²)	(²)
South Carolina.....	103,565	87,892	72,035	52,048	120,710	77,085
South Dakota.....	(²)	9,285	98,894	72,710	31,325	41,515
Tennessee.....	285,051	203,240	321,747	413,047	443,479	358,368
Texas.....	528,485	464,962	900,808	761,477	1,047,341	787,607
Utah.....	(²)	(²)	77,324	116,867	89,487	(²)
Vermont.....	(²)	(²)	30,185	31,333	(²)	(²)
Virginia.....	191,881	171,989	224,344	199,751	219,680	194,518
Washington.....	201,563	173,469	432,603	463,249	458,981	313,522
West Virginia.....	124,021	110,610	167,924	134,183	206,133	148,633
Wisconsin.....	129,236	121,084	675,510	602,572	433,395	433,878
Wyoming.....	16,866	(²)	27,785	24,273	(²)	(²)
Other States ³	202,449	207,614	53,811	61,021	207,037	218,387

¹ Calculated by totalizing returns for average circulation per issue as made for individual publications.

² Included in figure for "Other States" to avoid disclosing data for individual printers and publishers.

³ See footnote 2.

TABLE 11.—DAILY AND SUNDAY NEWSPAPERS PRINTED IN FOREIGN LANGUAGES—NUMBER AND CIRCULATION, FOR PRINCIPAL LANGUAGES, FOR THE UNITED STATES: 1935 AND 1933

[This table presents statistics for all daily newspapers printed in foreign languages (including those printed in both foreign languages and English) for which separate figures can be given without disclosing data reported by individual publishers.]

LANGUAGE	NUMBER						AGGREGATE CIRCULATION PER ISSUE ¹					
	Morn- ing		Eve- ning		Sun- day		Morning		Evening		Sunday	
	1935	1933	1935	1933	1935	1933	1935	1933	1935	1933	1935	1933
Total.....	61	51	47	43	58	47	1,368,032	1,046,133	678,690	613,491	1,556,919	1,001,622
Bohemian and Slovak.....	5	5	2	2	4	4	95,519	93,383	65,329	28,900	135,852	89,908
Chinese.....	5	2	3	4	6	3	329,600	14,500	16,650	29,771	341,250	21,846
Finnish.....	2	1	3	2	2	---	11,000	(3)	21,667	12,500	11,000	---
French.....	2	1	4	4	1	1	6,897	(3)	13,550	13,627	(3)	(3)
German.....	5	8	9	8	11	9	124,048	127,087	88,620	68,970	216,989	128,873
Hungarian.....	3	2	---	---	3	1	65,000	43,970	---	---	36,600	(2)
Italian.....	6	6	1	2	5	5	200,622	231,571	(3)	23,735	181,375	147,173
Japanese.....	2	1	6	3	4	2	18,500	(3)	26,323	19,010	31,323	16,500
Lithuanian.....	4	2	---	---	---	---	74,056	14,000	---	---	---	---
Polish.....	4	2	7	10	2	2	74,842	40,875	162,229	178,586	36,242	29,630
Russian.....	3	4	1	---	2	2	26,507	33,505	(3)	(3)	23,000	15,000
Slovenian, including Croatian and Serbian.....	6	4	1	1	1	1	29,600	34,170	(2)	(2)	(2)	(2)
Spanish.....	3	3	3	---	4	2	33,410	30,500	15,040	---	49,955	33,000
Yiddish.....	6	6	2	2	8	7	238,281	322,402	194,094	197,673	444,833	441,218
Other languages ⁴	5	4	5	5	5	8	40,200	60,170	75,188	40,669	48,300	78,469

¹ Calculated by totalizing returns for average circulation per issue as made for individual publications.

² Revised.

³ Included in figure for "Other languages" to avoid disclosing circulation reported by individual publishers.

⁴ For 1935, Arabic, Armenian, Greek, Portuguese, and Ukrainian.

⁵ Includes items covered by footnote 3.

TABLE 12.—WEEKLY NEWSPAPERS AND PERIODICALS PRINTED IN FOREIGN LANGUAGES—NUMBER AND CIRCULATION, FOR PRINCIPAL LANGUAGES, FOR THE UNITED STATES: 1929 TO 1935

[This table presents statistics for all foreign-language newspapers and periodicals (including those printed in both foreign languages and English) for which separate figures can be given without disclosing the circulation reported by individual publishers.]

LANGUAGE	NUMBER				AGGREGATE CIRCULATION PER ISSUE ¹			
	1935	1933	1931	1929	1935	1933	1931	1929
United States.....	291	212	332	383	2,068,204	2,463,538	2,395,362	3,486,652
Bohemian and Slovak.....	² 24	20	24	28	² 247,728	251,154	171,257	271,667
Danish.....	9	9	10	10	27,481	53,732	55,251	67,176
Dutch ³	9	5	7	11	26,685	28,950	30,200	38,015
Finnish.....	4	2	4	5	15,880	3,150	6,400	24,800
French.....	9	8	10	16	22,200	16,740	30,414	59,081
German.....	65	58	75	84	291,786	464,426	433,321	534,181
Greek.....	3	2	6	8	10,000	18,000	32,700	52,350
Hungarian.....	16	8	22	23	42,000	87,675	127,905	81,451
Italian.....	29	20	33	42	117,350	228,086	107,770	168,815
Lithuanian.....	7	6	5	5	62,160	75,300	53,672	79,493
Norwegian.....	14	9	16	14	66,900	62,437	78,246	102,149
Polish.....	35	19	36	45	488,623	377,292	481,227	1,004,707
Russian.....	⁴ 3	3	5	8	⁴ 37,200	39,000	35,800	44,153
Slovenian, Croatian, and Serbian.....	10	3	12	9	95,124	31,003	151,832	61,865
Spanish.....	10	7	15	18	25,858	51,801	169,200	248,860
Swedish.....	24	16	25	28	223,741	149,151	303,185	488,331
Yiddish.....	13	6	12	11	252,723	434,351	81,107	111,600
Other languages ⁵	7	11	15	18	14,765	91,290	45,875	57,958

¹ Calculated by totalizing returns for average circulation per issue for individual publications.

² Figures for 1935 for Bohemian and Slovak include data for 2 publications reported as Slovak-Russian.

³ Figures for all years include data for 2 publications reported as Flemish.

⁴ See footnote 2.

⁵ For 1935: Armenian, Chinese, Japanese, Portuguese, Ukrainian, and Welsh.

BOOKBINDING AND BLANK-BOOK MAKING

[A preliminary report for this industry was issued Apr. 8, 1937]

Description of the industry.—This industry embraces establishments engaged primarily in the binding of books and pamphlets (chiefly on a contract or a custom basis); in the manufacture of blank books, such as ledgers, account books, sales books, receipts, checks, loose-leaf devices, inventory and similar blanks, and indexes; and in related work, such as paper ruling and cutting, embossing, paper and card etching, map and sample mounting, etc. The work done in binderies operated by publishers for their own publications is not included.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

[For detailed statistics of products, see table beginning on p. 601]

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	1,022	863	1,050	1,108	18.4	-7.8
Proprietors and firm members.....	671	560	(1)	676	19.8	-7.7
Salaried personnel, total ²	3,752	(³)	(1)	4,065	(³)	-7.7
Salaried officers of corporations..	939	(³)	(1)	892	(³)	5.3
Supervisory, technical, and clerical employees.....	⁴ 2,813	⁵ 2,698	(1)	3,173	4.3	-11.3
Salaries paid, total ²	\$8,422,722	(³)	(1)	\$10,854,665	(³)	-22.4
To salaried officers of corporations.....	\$4,170,307	(³)	(1)	\$5,078,270	(³)	-17.9
To supervisory, technical, and clerical employees.....	⁴ \$4,252,415	⁵ \$3,946,886	(1)	\$5,776,395	7.7	-26.4
Wage earners (average for year) ⁶	20,454	16,865	21,216	24,754	21.3	-17.4
Wages.....	\$21,795,928	\$16,090,886	\$25,356,304	\$31,779,037	35.5	-31.4
Cost of materials, etc., total.....	\$21,140,664	\$15,685,833	\$21,391,592	\$30,754,777	34.8	-31.3
Cost of materials and supplies..	20,285,259	(1)	(1)	29,839,474	(1)	-32.0
Cost of fuel.....	234,973	(1)	(1)	241,951	(1)	-2.9
Cost of purchased electric energy.	620,432	(1)	(1)	673,352	(1)	-7.9
Cost of contract work.....	877,504	853,739	1,112,481	(1)	2.8	(1)
Value of products and receipts.....	73,315,359	56,010,795	79,779,955	102,783,405	30.9	-28.7
Value added to materials ⁷	52,174,695	40,324,962	58,388,363	72,028,628	29.4	-27.6

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 572; salaries, \$1,695,956. Technical, 24; salaries, \$62,239. Clerical, 2,217; salaries, \$2,494,220. See sec. 10, p. 7.

⁵ Supervisory, 568; salaries, \$1,669,839. Clerical and other, 2,130; salaries, \$2,277,047. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added to materials ¹
United States.....	1, 022	3, 752	20, 454	\$8, 422, 722	\$21, 795, 928	\$21, 140, 664	\$73, 315, 359	\$51, 297, 191
California.....	61	242	912	498, 618	1, 155, 535	1, 380, 877	4, 933, 249	3, 509, 428
Colorado.....	6	12	43	29, 508	37, 512	34, 076	139, 168	105, 092
Connecticut.....	8	9	23	9, 658	26, 209	17, 430	85, 265	63, 655
Dist. of Columbia.....	4	4	38	4, 725	47, 154	14, 683	107, 974	89, 909
Georgia.....	7	7	31	11, 848	30, 523	17, 127	88, 314	70, 446
Illinois.....	118	556	2, 968	1, 360, 542	3, 033, 516	3, 649, 547	11, 466, 493	7, 739, 767
Indiana.....	12	28	95	49, 689	106, 141	71, 139	347, 119	275, 980
Iowa.....	10	43	127	72, 276	141, 331	239, 250	655, 930	408, 640
Kentucky.....	4	4	30	3, 820	23, 677	9, 583	58, 287	47, 074
Louisiana.....	4	5	22	11, 743	24, 362	10, 303	69, 486	58, 297
Maine.....	6	4	18	2, 660	16, 518	15, 240	60, 472	45, 232
Maryland.....	12	123	462	216, 839	454, 215	712, 293	1, 955, 270	1, 240, 054
Massachusetts.....	76	360	2, 700	867, 354	3, 004, 608	2, 240, 484	8, 524, 391	6, 201, 015
Michigan.....	27	218	808	460, 171	859, 101	1, 067, 459	3, 395, 483	2, 314, 083
Minnesota.....	12	20	53	36, 579	55, 629	39, 691	177, 596	137, 905
Missouri.....	35	132	429	250, 610	444, 246	470, 860	1, 479, 564	1, 002, 912
Nebraska.....	7	13	24	32, 680	26, 913	41, 700	177, 831	136, 131
New Jersey.....	29	127	1, 368	358, 240	1, 528, 504	1, 696, 934	5, 211, 197	3, 289, 751
New York.....	362	1, 184	6, 504	2, 666, 847	6, 901, 713	5, 304, 113	20, 865, 600	15, 277, 231
Ohio.....	51	197	1, 060	446, 007	1, 117, 114	1, 292, 672	4, 285, 536	2, 922, 051
Oklahoma.....	7	10	44	25, 579	48, 163	51, 569	198, 561	146, 992
Oregon.....	5	8	27	17, 876	34, 109	34, 385	104, 459	65, 822
Pennsylvania.....	77	165	1, 190	397, 751	1, 098, 338	990, 025	3, 382, 692	2, 370, 151
Rhode Island.....	3	7	7	5, 061	5, 061	3, 228	23, 106	19, 678
Texas.....	12	15	106	33, 054	95, 400	105, 338	383, 506	273, 642
Utah.....	7	5	13	12, 181	16, 071	22, 251	72, 324	48, 847
Washington.....	12	20	72	31, 767	79, 165	135, 276	379, 021	239, 539
Wisconsin.....	18	104	364	199, 336	360, 775	552, 954	1, 508, 905	943, 430
Other States ²	30	137	916	314, 764	1, 024, 325	920, 177	3, 178, 560	2, 254, 237

¹ Calculated by deducting sum of cost of materials, supplies, fuel, and purchased electric energy and cost of contract work (not shown in this table) from value of products and receipts for contract work.

² Alabama, 4 establishments; Arizona, 1; Delaware, 1; Florida, 1; Kansas, 2; New Hampshire, 3; North Carolina, 3; South Carolina, 1; South Dakota, 1; Tennessee, 7; Virginia, 6. See sec. 23, p. 12.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

		NUMBER REPORTED FOR—											
		January	February	March	April	May	June	July	August	Septem-ber	October	Novem-ber	Decem-ber
1935	Average number employed during year 1	19,735	20,006	20,367	20,274	20,084	20,160	20,583	20,799	20,976	21,025	20,647	21,101
1933		16,865		16,012			16,084			17,574		(*)	18,477
United States		23	23	20	27	26	23	23	22	21	17	24	26
States, 1935		849	856	869	872	881	927	924	941	932	953	959	983
Alabama		38	37	41	42	44	49	53	49	44	40	40	42
California		23	23	23	22	23	23	23	22	22	23	23	25
Colorado		38	40	39	37	38	38	36	37	36	37	39	40
Connecticut		31	31	31	30	30	30	34	34	30	30	30	30
District of Columbia		2,718	2,956	2,952	2,952	2,986	2,955	3,095	3,140	3,141	3,083	2,914	2,994
Georgia		88	94	92	93	92	92	97	98	102	96	100	99
Illinois		125	120	122	126	124	125	133	132	128	126	129	133
Indiana		32	30	31	31	36	30	28	28	28	28	29	28
Iowa		24	23	22	23	23	22	22	22	22	22	22	22
Kentucky		18	20	20	18	18	20	16	17	17	19	17	17
Louisiana		462	460	459	454	457	455	455	467	471	470	404	470
Maine		2,700	2,668	2,688	2,672	2,617	2,757	2,876	2,809	2,690	2,677	2,634	2,645
Maryland		808	773	807	858	807	767	754	766	813	866	806	834
Massachusetts		53	50	51	50	54	51	57	52	52	50	54	54
Michigan		420	424	423	425	433	425	414	433	424	447	422	445
Minnesota		24	23	24	28	24	24	24	24	24	22	21	25
Missouri		69	69	69	69	69	69	70	69	70	72	69	71
Nebraska		1,380	1,277	1,347	1,349	1,360	1,331	1,394	1,437	1,451	1,466	1,448	1,398
New Hampshire		1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245	1,245
New Jersey		6,387	6,540	6,575	6,539	6,389	6,259	6,291	6,366	6,546	6,657	6,617	6,903
New York		30	29	29	28	28	27	27	27	33	30	27	29
North Carolina		1,060	1,039	1,044	998	1,012	1,027	1,046	1,105	1,156	1,118	1,085	1,060
Ohio		44	44	44	44	45	45	44	44	45	45	43	43
Oklahoma		28	26	25	27	26	25	25	25	25	26	24	24
Oregon		1,166	1,167	1,167	1,168	1,163	1,149	1,189	1,169	1,216	1,231	1,200	1,230
Pennsylvania		408	518	527	593	504	541	566	586	590	611	596	562
Rhode Island		106	100	97	96	101	120	145	123	104	97	95	96
Tennessee		13	13	13	13	13	13	13	13	13	13	13	13
Texas		183	189	185	173	184	207	223	221	232	174	189	177
Utah		71	73	73	73	71	71	67	71	71	71	71	71
Virginia		364	380	376	363	361	362	360	346	365	356	357	374
Washington													
Wisconsin													

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

1 As the averages for 1935 given in this table are derived from the figures for the 12 months in the calendar year, some of them differ from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

503

ENGRAVING (OTHER THAN STEEL, COPPERPLATE, OR WOOD), CHASING, ETCHING, AND DIESINK- ING

Description of the industry.—This industry embraces establishments engaged primarily in engraving (for purposes other than printing), etching, and diesinking. The engraving on silverware and jewelry is done mainly on a custom basis for the trade. The products include name plates, badges, signs, etc., and metal dies and stamps.

TABLE I.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	101	77	133	189	(*)	—46.6
Proprietors and firm members.....	73	57	(1)	182	(*)	—59.9
Salaried personnel, total ²	468	(³)	(1)	411	(³)	13.9
Salaried officers of corporations.....	84	(³)	(1)	85	(³)	(*)
Supervisory, technical, and clerical employees.....	⁴ 384	⁵ 163	(1)	326	135.6	17.8
Salaries paid, total ²	\$1,050,102	(³)	(1)	\$1,328,075	(³)	—20.9
To salaried officers of corporations.....	\$402,295	(³)	(1)	\$572,977	(³)	—29.8
To supervisory, technical, and clerical employees.....	⁴ \$647,807	⁵ \$226,882	(1)	\$755,098	185.5	—14.2
Wage earners (average for year) ⁶	2,199	1,089	1,467	2,240	101.9	—1.8
Wages.....	\$2,448,951	\$1,093,507	\$2,047,611	\$3,211,743	124.0	—23.8
Cost of materials, etc., total.....	\$2,695,792	\$920,685	\$1,439,812	\$2,583,039	192.8	4.4
Cost of materials and supplies.....	2,584,429	(1)	(1)	2,463,863	(1)	4.9
Cost of fuel.....	32,752	(1)	(1)	42,439	(1)	—22.8
Cost of purchased electric energy.....	78,611	(1)	(1)	76,737	(1)	2.4
Value of products ⁷	7,661,089	3,425,494	5,607,496	10,933,741	123.6	—29.9
Value added to materials ⁸	4,965,297	2,504,809	4,167,684	8,350,702	98.2	—40.5

*Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 60; salaries, \$195,205. Technical, 107; salaries, \$198,363. Clerical, 217; salaries, \$254,239. See sec. 10, p. 7.

⁵ Supervisory, 69; salaries, \$126,281. Clerical and other, 94; salaries, \$100,601. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ The values of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in engraving, chasing, etching, and diesinking, are included, as follows: 1935, \$750,110; 1933, \$359,953; 1931, \$381,233; 1929, \$543,671. The following values of engraving, chasing, etc., reported by establishments engaged primarily in other lines of activity are not included: For 1935, \$403,781; 1933, \$220,143; 1931, \$184,631; 1929, \$124,528.

⁸ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 13, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 8, table 1]

	Number of establishments	Salaries officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added to materials
United States-----	101	468	2,199	\$1,050,102	\$2,448,951	\$2,695,792	\$7,661,089	\$4,965,297
Illinois-----	16	248	776	565,282	864,943	862,457	2,709,178	1,846,721
Massachusetts-----	21	40	148	66,207	195,334	78,001	494,219	416,218
New Jersey-----	6	12	36	27,833	42,355	18,354	124,429	106,075
New York-----	30	112	720	237,956	822,509	1,138,960	2,820,943	1,681,983
Ohio-----	5	9	22	31,476	28,925	15,086	103,688	88,602
Pennsylvania-----	7	6	26	6,400	30,240	29,627	132,491	102,864
Rhode Island-----	5	3	45	11,162	69,211	4,105	103,168	90,063
Other States ¹ -----	11	38	427	103,786	395,434	549,202	1,172,973	623,771

¹ California, 2 establishments; Connecticut, 1; Maryland, 2; Michigan, 2; New Hampshire, 1; Wisconsin, 3. See sec. 23, p. 12.

TABLE 3. — WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

	Average number employed during year	NUMBER REPORTED FOR—											
		January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>	2,199 4,089	2,018 (^c)	2,043 (^c)	2,188 801	2,246 (^c)	2,151 (^c)	2,032 1,033	2,001 (^c)	2,140 (^c)	2,274 1,333	2,389 (^c)	2,499 (^c)	2,401 1,380
<i>States, 1935</i>													
Illinois.....	776	701	710	702	723	684	644	768	817	809	899	992	911
Massachusetts.....	148	130	132	141	148	140	145	153	144	158	166	166	164
New Jersey.....	36	31	33	23	30	30	31	31	31	41	41	46	46
New York.....	720	634	788	790	748	698	701	680	745	751	762	762	780
Ohio.....	22	21	21	21	22	22	22	22	22	22	22	22	22
Pennsylvania.....	26	26	26	26	26	26	26	26	26	26	26	26	26
Rhode Island.....	45	31	46	48	40	28	23	43	59	72	72	58	31
Wisconsin.....	375	398	406	376	350	353	359	364	367	366	374	374	399

*Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

ENGRAVING, STEEL, COPPERPLATE, AND WOOD, AND PLATE PRINTING

Description of the industry.—The establishments assigned to this industry are engaged primarily in engraving steel and copper plates for printing stationery, visiting and other cards, invitations, announcements, securities, bonds, stock certificates, music, maps, half tones, etc.; in printing from these plates; and in making woodcuts for use in printing illustrations, posters, etc. Woodcuts are made to some extent by establishments classified in the Printing and Publishing industries, but the value of such work is not separately reported.

The distinction between this industry and "Engraving (Other Than Steel, Copperplate, and Wood), Chasing, Etching, and Die-sinking" lies in the fact that the plates engraved in this industry are all intended for use in printing.

TABLE I.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

[For detailed statistics of products, see table beginning on p. 601]

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
					Number of establishments.....	388
Proprietors and firm members.....	240	186	(1)	347	29.0	-30.8
Salaried personnel, total ¹	1,348	(2)	(1)	2,079	(3)	-35.2
Salaried officers of corporations.....	341	(2)	(1)	388	(3)	-12.1
Supervisory, technical, and clerical employees.....	1,007	960	(1)	1,691	4.9	-40.4
Salaries paid, total ²	\$2,844,201	(2)	(1)	\$6,010,447	(3)	-52.7
To salaried officers of corporations.....	\$1,261,038	(2)	(1)	\$2,522,634	(3)	-50.0
To supervisory, technical, and clerical employees.....	\$1,583,163	\$1,539,641	(1)	\$3,487,813	2.8	-54.6
Wage earners (average for year) ⁴	5,300	5,033	6,995	10,272	5.3	-48.4
Wages.....	\$6,521,190	\$5,264,803	\$9,503,497	\$14,812,941	23.9	-56.0
Cost of materials, etc., total.....	\$4,591,444	\$3,637,209	\$6,424,732	\$11,947,014	26.2	-61.6
Cost of materials and supplies.....	4,368,480	(1)	(1)	11,603,459	(1)	-62.4
Cost of fuel.....	69,868	(1)	(1)	91,269	(1)	-23.5
Cost of purchased electric energy.....	153,096	(1)	(1)	252,286	(1)	-39.3
Value of products.....	20,123,866	16,222,544	27,425,476	47,900,592	24.0	-58.0
Value added to materials ⁷	15,532,422	12,585,335	21,000,744	35,953,578	23.4	-56.8

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 196; salaries, \$737,904. Technical, 85; salaries, \$146,784. Clerical, 726; salaries, \$698,475. See sec. 10, p. 7.

⁵ Supervisory, 253; salaries, \$811,062. Clerical and other, 707; salaries, \$728,579. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 13, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaries of officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added to materials
United States.....	388	1,348	5,300	\$2,844,201	\$6,521,190	\$4,591,444	\$20,123,866	\$15,532,422
California.....	28	55	192	80,155	182,259	187,138	739,911	552,773
Connecticut.....	12	31	91	57,941	73,322	122,429	346,506	224,077
District of Columbia..	6	13	48	26,533	69,187	65,189	198,534	133,345
Florida.....	3	6	7	5,659	6,863	7,859	29,073	21,214
Illinois.....	39	174	480	337,076	620,959	492,408	2,032,929	1,540,521
Indiana.....	7	14	31	15,863	20,940	28,600	87,733	59,133
Kentucky.....	8	17	70	29,435	62,931	59,033	194,228	155,195
Louisiana.....	3	3	9	2,842	6,298	8,394	31,922	23,528
Maryland.....	6	4	27	7,994	24,553	25,775	87,104	61,329
Massachusetts.....	18	56	195	111,539	221,410	196,501	754,171	557,670
Michigan.....	8	18	65	35,168	53,035	84,592	245,053	160,461
Minnesota.....	7	9	30	11,907	33,411	44,929	128,270	83,341
Missouri.....	14	30	101	53,718	99,240	76,777	321,713	244,936
New Jersey.....	29	106	793	352,570	878,693	228,613	1,775,891	1,547,278
New York.....	105	407	1,917	980,649	2,847,158	1,721,093	8,557,072	6,835,979
North Carolina.....	3	2	11	(1)	10,382	9,516	42,078	32,562
Ohio.....	15	46	114	93,547	123,860	131,328	463,155	331,827
Pennsylvania.....	32	237	686	414,105	670,940	676,520	2,357,301	1,680,781
Rhode Island.....	6	7	95	15,326	151,974	14,026	238,618	224,592
Tennessee.....	3	2	7	(1)	6,168	9,457	26,587	17,130
Texas.....	8	44	113	83,079	123,393	184,876	657,075	472,199
Wisconsin.....	6	15	37	26,754	45,308	41,331	161,767	120,436
Other States ²	22	52	181	³ 93,291	188,906	175,060	647,175	472,115

¹ Withheld to avoid disclosing compensation of individual employees; included in figure for "Other States."² Alabama, 1 establishment; Colorado, 2; Georgia, 1; Iowa, 1; Kansas, 1; Nebraska, 1; New Mexico, 1; Oklahoma 1; Oregon, 3; South Carolina, 3; Utah, 1; Virginia, 2; Washington, 2; West Virginia, 2. See sec. 23, p. 12.³ Includes amounts reported as salaries for States covered by footnote 1.

ENGRAVING, STEEL, COPPERPLATE, AND WOOD

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

	Average number employed during year	NUMBER REPORTED FOR—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States	5,300	5,035	4,988	5,079	5,133	5,239	5,095	5,027	5,099	5,520	5,640	5,686	6,060
1933.....	5,093	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	5,601
States, 1935													
California.....	192	156	145	135	144	150	165	172	185	221	264	278	289
Connecticut.....	91	90	83	95	99	91	87	78	84	98	97	98	87
District of Columbia.....	48	46	47	46	46	47	47	46	46	46	46	50	57
Florida.....	7	7	7	7	7	7	7	7	7	7	7	8	8
Illinois.....	480	416	384	412	443	438	458	441	472	507	536	562	696
Indiana.....	31	32	31	33	33	35	32	30	29	28	28	30	31
Kentucky.....	70	71	72	69	72	83	69	67	65	64	65	65	75
Louisiana.....	9	9	9	9	9	9	9	9	9	9	9	9	9
Maryland.....	27	28	26	25	27	26	26	25	25	28	29	28	29
Massachusetts.....	195	196	191	192	191	192	196	192	200	202	191	193	201
Michigan.....	65	67	71	71	65	66	65	50	52	53	75	66	94
Minnesota.....	30	31	28	27	30	32	26	26	28	28	29	35	40
Missouri.....	101	97	99	96	111	105	93	93	93	97	102	106	118
New Jersey.....	793	922	884	884	753	668	601	565	596	855	950	893	910
New York.....	1,917	1,701	1,749	1,812	1,850	1,943	2,016	2,046	1,971	1,950	1,927	1,957	2,085
North Carolina.....	11	11	11	11	11	11	11	11	11	12	12	12	12
Ohio.....	114	123	118	113	113	114	113	109	108	104	117	117	120
Oregon.....	13	13	13	16	21	20	20	12	12	12	12	16	14
Pennsylvania.....	686	602	607	603	646	701	696	678	720	792	714	716	759
Rhode Island.....	95	95	76	88	92	104	75	80	91	106	114	119	94
Tennessee.....	7	6	7	7	7	7	7	7	7	7	7	8	8
Texas.....	113	117	106	128	142	169	66	95	96	97	100	122	131
Wisconsin.....	37	36	35	35	37	37	38	35	37	36	37	37	38

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

506

LITHOGRAPHING

[A preliminary report for this industry was issued Mar. 23, 1937]

Description of the industry.—The establishments classified in this industry are engaged primarily in preparing lithograph plates of stone or of metal, and in printing from such plates. The greater part of the work done in the industry is lithographing on a job or a custom basis to individual order, but in some cases calendars, commercial forms, maps, illustrated cards, posters, etc., are made for sale. The "value of products" of the industry, as given in table 1, and the values of the items for this industry, as they appear in the table beginning on page 601, are therefore made up in large part of receipts for lithographing done for others and in small part of the selling value of lithographed calendars, cards, etc., made for sale.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

[For detailed statistics for products see table beginning on p. 601]

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	387	346	364	376	11.8	2.9
Proprietors and firm members.....	63	54 ¹	(¹)	92	(*)	(*)
Salaried personnel, total ²	4,097	(³)	(¹)	4,648	(³)	-11.9
Salaried officers of corporations.....	757	(³)	(¹)	740	(³)	2.3
Supervisory, technical, and clerical employees.....	\$ 3,340	\$ 2,799	(¹)	3,908	19.3	-14.5
Salaries paid, total ²	\$11,093,735	(³)	(¹)	\$15,510,752	(³)	-28.5
To salaried officers of corporations.....	\$4,895,034	(³)	(¹)	\$5,979,153	(³)	-18.1
To supervisory, technical, and clerical employees.....	\$ 6,198,701	\$ 5,227,049	(¹)	\$ 9,531,599	18.6	-35.0
Wage earners (average for year) ⁴	17,688	14,579	16,215	18,979	21.3	-6.8
Wages.....	\$24,158,488	\$18,122,836	\$25,722,990	\$32,021,919	33.3	-24.6
Cost of materials, etc., total.....	\$29,982,032	\$21,448,998	\$26,606,611	\$38,992,142	39.8	-23.1
Cost of materials and supplies.....	28,934,249	(¹)	(¹)	37,906,319	(¹)	-23.7
Cost of fuel.....	365,183	(¹)	(¹)	365,507	(¹)	(⁷)
Cost of purchased electric energy....	682,600	(¹)	(¹)	720,316	(¹)	-5.2
Cost of contract work.....	\$ 4,323,019	4,546,698	4,081,642	(¹)	-4.9	(¹)
Value of products and receipts for contract work.....	\$2,046,916	\$ 68,188,447	\$ 87,433,164	\$ 121,014,321	35.0	-23.9
Value added to materials.....	\$ 57,741,865	\$ 42,192,751	\$ 56,744,911	\$ 82,022,179	36.9	(¹⁰)

* Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 661; salaries, \$2,352,669. Technical, 216; salaries, \$552,090. Clerical, 2,463; salaries, \$3,293,942. See sec. 10, p. 7.

⁵ Supervisory, 654; salaries, \$2,233,411. Clerical and other, 2,145; salaries, \$2,993,638. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Less than one-tenth of 1 percent.

⁸ Calculated by deducting sum of cost of materials, supplies, fuel, and purchased electric energy and cost of contract work from value of products (including receipts for contract work).

⁹ Calculated by subtracting cost of materials, supplies, fuel, and purchased electric energy from total value of products (including receipts for contract work), and therefore not strictly comparable with corresponding figures for subsequent years. See footnote 8. See also sec. 18, p. 11.

¹⁰ As the figure for 1929 is not strictly comparable with those for later years (see footnotes 8 and 9), no percent of decrease has been calculated.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 8, table 1]

	Number of establishments	Sal- aried officers and em- ploy- ees	Wage earn- ers (aver- age for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products and re- ceipts for contract work	Value added to materials ¹
United States.....	387	4,097	17,688	\$11,093,735	\$24,158,488	\$29,982,032	\$92,046,916	\$57,741,865
California.....	17	264	924	751,074	1,625,018	2,060,954	5,932,188	3,813,536
District of Columbia.....	8	41	148	129,258	196,128	157,429	612,197	447,805
Illinois.....	51	746	2,888	2,044,788	3,712,765	5,178,305	15,731,289	9,927,838
Indiana.....	4	20	72	31,880	94,728	144,357	378,289	233,932
Iowa.....	6	92	193	159,154	207,179	337,966	955,764	616,098
Kentucky.....	6	51	228	113,740	274,093	259,327	874,385	554,004
Maryland.....	10	84	456	245,157	525,908	679,580	1,976,801	1,259,260
Massachusetts.....	12	202	951	530,993	1,208,176	1,430,243	4,305,272	2,602,057
Michigan.....	11	86	448	240,365	649,514	991,524	2,880,809	1,774,013
Minnesota.....	3	30	170	87,921	166,720	183,851	502,923	615,063
Missouri.....	18	107	316	241,145	391,540	516,666	1,794,466	1,220,158
New Jersey.....	8	128	668	267,196	922,303	1,414,728	3,699,569	2,062,627
New York.....	119	1,260	5,390	3,601,103	8,047,303	9,178,900	29,874,304	18,711,455
Ohio.....	40	395	2,197	1,085,691	2,679,939	3,309,598	9,829,590	6,153,029
Pennsylvania.....	27	245	1,129	634,391	1,503,891	1,517,660	4,939,478	3,102,294
Texas.....	6	41	112	84,128	148,905	199,003	551,454	333,139
Virginia.....	3	20	135	53,863	154,342	237,217	628,892	391,675
Washington.....	6	42	120	115,966	167,457	264,845	722,163	450,002
Wisconsin.....	13	109	519	314,203	699,949	939,441	2,532,141	1,455,505
Other States ²	19	134	625	361,719	782,630	979,537	3,024,942	2,018,375

¹ Calculated by deducting sum of cost of materials, supplies, fuel, and purchased electric energy and cost of contract work (not shown in this table) from total value of products (including receipts for contract work).

² Alabama, 1 establishment; Colorado, 1; Connecticut, 4; Georgia, 1; Kansas, 1; Louisiana, 2; Maine, 1; Nebraska, 1; Oregon, 1; Rhode Island, 1; Tennessee, 1; Utah, 2; West Virginia, 2. See sec. 23, p. 12.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935

[See secs. 11 and 23, pp. 7 and 12]

Average number employed during year	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
1935.....	16,745	16,938	17,164	17,304	17,493	17,555	17,519	17,922	18,339	18,577	18,525	18,144
1933.....	14,579	(*)	13,792	(*)	(*)	14,178	(*)	(*)	15,374	(*)	(*)	10,395
<i>United States</i>												
<i>States, 1935</i>												
California.....	863	884	899	903	903	919	940	954	948	962	942	943
Connecticut.....	113	110	119	125	110	105	118	107	108	114	110	126
District of Columbia.....	148	151	154	158	155	151	143	142	142	142	144	130
Illinois.....	2,708	2,778	2,737	2,781	2,803	2,841	2,840	2,901	2,938	3,070	3,132	3,070
Indiana.....	72	56	60	69	73	65	63	70	79	88	87	87
Iowa.....	193	156	156	167	189	208	209	203	206	208	216	240
Kentucky.....	228	226	227	226	226	229	230	227	229	229	229	229
Maryland.....	456	445	447	477	468	450	440	438	441	472	505	446
Massachusetts.....	951	911	891	857	826	814	961	1,057	1,099	1,119	1,006	974
Michigan.....	448	410	422	449	438	430	452	456	1,073	491	478	461
Minnesota.....	170	107	117	124	157	203	209	205	200	194	196	200
Missouri.....	316	318	314	322	339	310	319	317	339	307	308	312
New Jersey.....	668	626	627	634	629	613	662	677	751	814	821	593
New York.....	5,390	5,159	5,238	5,224	5,400	5,428	5,245	5,448	5,605	5,550	5,583	5,587
Ohio.....	2,197	2,107	2,220	2,242	2,265	2,254	2,228	2,192	2,193	2,213	2,185	2,144
Pennsylvania.....	1,129	1,064	1,153	1,159	1,089	1,108	1,092	1,084	1,121	1,202	1,220	1,202
Texas.....	112	113	121	120	114	109	109	108	109	109	109	102
Virginia.....	135	167	132	121	138	118	124	140	137	125	123	121
Washington.....	120	110	113	113	112	120	135	134	132	122	118	113
Wisconsin.....	519	495	512	509	525	507	509	544	538	541	565	522

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

PHOTOENGRAVING, NOT DONE IN PRINTING ESTABLISHMENTS

[A preliminary report for this industry was issued Feb. 13, 1937]

Description of the industry.—The establishments in this industry are engaged primarily in making photoengraved plates for printing illustrations, art work, post cards, greeting cards, magazine covers, half-tone engravings, etc. Such establishments do not, as a rule, print from the plates which they make, but prepare them for use by others.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

[For detailed statistics of products, see table beginning on p. 601]

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	662	600	617	654	10.3	1.2
Proprietors and firm members.....	254	205	(1)	232	23.9	9.5
Salaried personnel, total ¹	3,533	(²)	(1)	4,266	(³)	-17.2
Salaried officers of corporations.....	1,003	(²)	(1)	1,007	(³)	- .4
Supervisory, technical, and clerical employees.....	4 2,530	2 2,314	(1)	3,259	9.3	-22.4
Salaries paid, total ²	\$9,003,267	(²)	(1)	\$14,576,905	(³)	-38.2
To salaried officers of corporations.....	\$4,704,698	(²)	(1)	\$6,948,941	(³)	-32.3
To supervisory, technical, and clerical employees.....	4 \$4,298,569	2 \$3,875,357	(1)	\$7,627,964	10.9	-43.6
Wage earners (average for year) ⁶	9,408	7,907	10,095	12,353	19.0	-23.8
Wages.....	\$21,341,866	\$14,788,323	\$24,990,256	\$31,831,176	44.3	-33.0
Cost of materials, etc., total.....	\$7,859,083	\$5,601,528	\$7,408,475	\$11,003,121	40.3	-28.6
Cost of materials and supplies.....	7,159,167	(1)	(1)	10,113,898	(1)	-29.2
Cost of fuel.....	110,636	(1)	(1)	149,058	(1)	-25.8
Cost of purchased electric energy.....	589,280	(1)	(1)	740,165	(1)	-20.4
Cost of contract work.....	928,075	916,869	1,044,766	(1)	1.2	(1)
Value of products and receipts for contract work.....	55,342,208	37,582,592	56,019,675	77,382,259	41.9	-31.1
Value added to materials.....	7 44,555,050	7 31,064,195	7 47,566,434	8 66,379,138	43.4	(1)

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 372; salaries, \$1,375,436. Technical, 148; salaries, \$318,132. Clerical, 2,010; salaries, \$2,605,001. See sec. 10, p. 7.

⁵ Supervisory, 489; salaries, \$1,450,838. Clerical and other, 1,825; salaries, \$2,424,519. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Calculated by deducting sum of cost of materials, supplies, fuel, and purchased electric energy and cost of contract work from value of products (including receipts for contract work).

⁸ Calculated by subtracting cost of materials, supplies, fuel, and purchased electric energy from total value of products (including receipts for contract work), and therefore not strictly comparable with corresponding figures for subsequent years. (See footnote 7. See also sec. 18, p. 11).

⁹ As the figure for 1929 is not strictly comparable with those for later years (see footnotes 7 and 8), no percent of decrease has been calculated.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaries of officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products and receipts for contract work	Value added to materials ¹
United States.....	662	3,533	9,408	\$9,003,267	\$21,341,866	\$7,859,083	\$53,342,208	\$44,555,050
Alabama.....	6	19	15	40,964	30,420	15,938	127,147	110,819
California.....	55	167	395	409,377	836,820	404,426	2,649,735	2,218,182
Colorado.....	4	14	37	39,222	60,836	31,551	215,226	183,675
Connecticut.....	20	80	213	239,126	432,197	109,133	1,064,549	945,567
District of Columbia.....	7	41	76	117,168	184,198	48,109	493,178	442,721
Florida.....	6	27	30	63,770	78,987	29,219	221,507	191,921
Georgia.....	8	47	70	100,480	146,937	46,852	429,389	382,055
Illinois.....	61	534	1,787	1,332,726	3,379,577	1,513,762	8,690,534	6,920,874
Indiana.....	15	94	178	197,899	348,438	98,560	955,932	843,433
Iowa.....	7	32	40	66,333	88,891	22,361	263,800	240,855
Kentucky.....	7	28	142	74,077	236,078	208,168	666,987	458,819
Louisiana.....	5	10	22	18,037	43,778	15,016	122,454	107,438
Maine.....	5	4	17	5,928	33,147	12,508	85,863	73,078
Maryland.....	9	37	60	83,594	120,167	39,472	372,224	325,224
Massachusetts.....	43	174	415	439,811	820,272	201,576	2,031,206	1,816,423
Michigan.....	32	160	489	440,298	1,098,887	680,054	3,283,217	2,499,791
Minnesota.....	14	77	170	144,939	325,038	106,895	888,856	777,246
Missouri.....	22	132	260	322,268	547,618	135,131	1,327,199	1,171,066
Nebraska.....	4	10	17	35,190	33,914	14,884	100,622	85,738
New Hampshire.....	3	8	8	10,563	12,277	7,782	47,123	38,333
New Jersey.....	10	43	81	100,654	216,748	63,185	477,651	414,088
New York.....	110	861	2,720	2,355,838	7,679,221	2,619,879	17,023,898	14,073,835
North Carolina.....	5	7	30	13,584	51,825	20,050	137,427	116,540
Ohio.....	54	247	800	671,502	1,597,995	466,023	3,787,942	3,273,599
Oklahoma.....	5	20	26	60,928	57,670	35,861	196,638	160,777
Oregon.....	8	21	30	53,641	49,823	28,351	222,425	193,845
Pennsylvania.....	44	305	748	780,217	1,784,442	464,647	4,102,125	3,559,674
Rhode Island.....	7	31	56	82,506	113,177	45,181	359,195	314,014
Tennessee.....	10	34	56	87,643	130,080	40,086	373,642	327,978
Texas.....	19	75	110	156,789	199,802	86,768	673,809	584,531
Utah.....	3	9	9	-----	13,029	6,619	49,109	42,490
Virginia.....	8	22	60	51,323	110,502	40,564	314,937	274,373
Washington.....	14	42	56	97,821	111,954	46,308	449,028	402,720
Wisconsin.....	17	108	136	239,351	282,133	115,058	823,812	708,574
Other States ²	15	32	50	69,700	84,988	39,106	313,822	274,524

¹ Calculated by deducting sum of cost of materials, supplies, fuel, and purchased electric energy and cost of contract work (not shown in this table) from total value of products (including receipts for contract work).

² Arizona, 2 establishments; Arkansas, 2; Delaware, 1; Kansas, 1; Mississippi, 1; Montana, 2; North Dakota, 1; South Carolina, 2; South Dakota, 1; Vermont, 1; West Virginia, 1. See sec. 23, p. 12.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

United States	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
1935	9,510	9,518	9,453	9,448	9,351	9,110	9,304	9,296	9,332	9,396	9,542	9,631
1933	7,907	(*)	7,700	(*)	(*)	7,706	(*)	(*)	8,024	(*)	(*)	8,274
Average number employed during year	9,408	9,518	9,453	9,448	9,351	9,110	9,304	9,296	9,332	9,396	9,542	9,631
7,907	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Alabama	16	16	16	16	16	14	14	14	14	14	14	14
California	385	386	383	394	399	388	385	390	398	401	400	419
Colorado	37	36	37	30	37	37	35	37	35	35	36	37
Connecticut	212	212	222	214	214	214	210	208	212	213	213	211
District of Columbia	82	79	74	76	74	76	72	75	72	77	77	78
Florida	31	31	31	30	28	28	29	29	29	32	31	32
Georgia	63	70	71	71	71	67	69	71	70	70	72	73
Illinois	1,936	1,864	1,739	1,751	1,707	1,650	1,849	1,869	1,704	1,723	1,862	1,839
Indiana	1,178	1,176	1,179	1,178	1,178	1,170	1,178	1,172	1,180	1,174	1,182	1,189
Iowa	40	41	40	40	40	40	40	40	40	40	40	39
Kentucky	142	134	140	143	143	135	145	148	147	147	146	147
Louisiana	22	21	22	23	22	22	21	21	22	23	22	22
Maine	16	16	17	20	20	16	16	16	16	16	16	16
Maryland	59	60	61	61	60	59	59	59	59	62	61	60
Massachusetts	411	422	411	430	426	410	415	404	409	412	411	415
Michigan	489	483	484	474	469	477	471	467	510	537	504	515
Minnesota	170	162	166	170	170	166	166	168	177	178	174	171
Missouri	260	261	266	264	266	259	264	260	254	254	255	262
Nebraska	17	16	17	16	16	16	16	17	18	18	17	17
New Hampshire	8	8	8	8	8	8	8	8	8	8	8	8
New Jersey	81	82	82	82	82	82	75	78	80	80	81	81
New York	2,702	2,746	2,725	2,763	2,725	2,675	2,664	2,646	2,725	2,714	2,739	2,764
North Carolina	30	32	32	31	33	30	30	30	30	29	29	31
Ohio	800	830	834	804	781	777	759	754	794	809	807	851
Oklahoma	26	25	26	26	26	26	26	26	26	26	26	26
Oregon	30	30	31	31	31	30	30	29	28	29	27	30
Pennsylvania	748	746	755	754	769	758	736	733	739	741	754	786
Rhode Island	56	55	53	53	59	56	58	57	56	56	58	56
Tennessee	56	51	51	52	52	52	59	59	59	63	60	64
Texas	110	109	111	109	108	108	106	107	113	111	114	114
Utah	9	9	9	9	9	9	9	9	9	9	9	9
Virginia	60	63	63	64	64	59	59	58	58	58	57	57
Washington	56	53	57	55	60	54	54	53	55	57	55	60
Wisconsin	136	142	143	144	139	135	130	136	137	126	126	137

*Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

512

STEREOTYPING AND ELECTROTYPING, NOT DONE IN PRINTING ESTABLISHMENTS

Description of the industry.—This industry classification embraces establishments engaged primarily in making stereotype and electrotype plates, and therefore does not cover stereotyping and electrotyping done by printing and publishing establishments.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

[For detailed statistics of products, see table beginning on p. 601]

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (-)	
					1933-1935	1929-1935
Number of establishments.....	206	207	223	230	-0.5	-10.4
Proprietors and firm members.....	52	52	(1)	68	-----	(*)
Salaried personnel, total ²	1,539	(3)	(1)	1,386	(3)	11.0
Salaried officers of corporations.....	314	(3)	(1)	333	(3)	-5.7
Supervisory, technical, and clerical employees.....	\$ 1,225	\$ 787	(1)	1,053	55.7	16.3
Salaries paid, total ²	\$5,515,829	(3)	(1)	\$4,852,832	(3)	13.7
To salaried officers of corporations.....	\$1,891,488	(3)	(1)	\$2,489,781	(3)	-24.0
To supervisory, technical, and clerical employees.....	\$3,624,341	\$1,533,061	(1)	\$2,363,051	136.4	53.4
Wage earners (average for year) ⁶	4,417	3,734	4,857	6,487	18.3	-31.9
Wages.....	\$8,443,543	\$6,488,224	\$10,916,883	\$13,770,676	30.1	-38.7
Cost of materials, etc., total.....	\$3,721,684	\$2,609,052	\$3,590,480	\$6,546,881	42.6	-43.2
Cost of materials and supplies.....	3,129,841	(1)	(1)	5,678,371	(1)	-44.9
Cost of fuel.....	150,277	(1)	(1)	250,669	(1)	-40.0
Cost of purchased electric energy.....	441,566	(1)	(1)	617,841	(1)	-28.5
Value of products.....	26,867,054	20,005,812	24,581,941	35,617,297	34.3	-24.6
Value added to materials ⁷	23,145,370	17,396,760	20,991,461	29,070,416	33.0	-20.4

* Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 158; salaries, \$592,829. Technical, 411; salaries, \$2,038,272. Clerical, 656; salaries, \$993,240. See sec. 10, p. 7.

⁵ Supervisory, 156; salaries, \$587,455. Clerical and other, 601; salaries, \$945,606. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Sal- aried officers and em- ploy- ees	Wage earners (aver- age for the year)	Salaries	Wages	Cost of materials, fuel, and purchased energy	Value of products	Value added to materials
United States...	206	1,539	4,417	\$5,515,829	\$8,443,543	\$3,721,684	\$26,867,054	\$23,145,370
California.....	7	29	142	91,986	269,251	113,827	711,038	597,211
Connecticut.....	7	20	67	71,314	103,854	25,949	295,544	259,595
Illinois.....	28	291	950	772,102	2,064,159	575,637	4,869,323	4,293,686
Indiana.....	4	22	118	86,795	228,196	90,426	636,730	546,304
Maryland.....	4	16	39	68,629	51,941	28,587	194,417	165,830
Massachusetts.....	15	66	235	234,610	400,535	129,799	1,055,602	925,803
Michigan.....	10	80	249	242,285	551,668	212,232	1,464,709	1,252,477
Minnesota.....	5	17	47	41,439	94,950	29,419	237,174	207,755
Missouri.....	9	34	147	78,064	253,687	83,215	521,463	438,248
New Jersey.....	6	23	104	67,087	210,507	84,722	477,058	392,336
New York.....	46	638	1,097	2,814,218	2,001,972	1,426,700	10,655,854	9,229,154
Ohio.....	21	133	616	481,703	1,129,599	536,962	3,002,057	2,465,095
Pennsylvania.....	12	72	340	235,089	695,249	214,571	1,569,571	1,355,000
Tennessee.....	3	16	38	37,168	58,611	25,701	171,778	146,077
Texas.....	4	7	19	11,715	29,056	15,839	101,789	85,950
Washington.....	4	8	11	23,900	13,692	8,977	71,381	62,404
Wisconsin.....	5	19	59	60,811	81,614	37,365	244,825	207,460
Other States ¹	16	48	139	96,914	205,002	71,756	586,741	514,985

¹ Colorado, 1 establishment; District of Columbia, 3; Florida, 1; Georgia, 1; Iowa, 1; Kentucky, 1; Louisiana, 1; Maine, 2; Nebraska, 1; Oklahoma, 1; Oregon, 1; Rhode Island, 1; Virginia, 1. See sec. 23, p. 12.

CENSUS OF MANUFACTURES: 1935

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

	NUMBER REPORTED FOR—											
	January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>	4,397 (*)	4,321 (*)	4,416 3,084	4,440 (*)	4,423 (*)	4,425 3,680	4,425 (*)	4,329 (*)	4,390 3,777	4,393 (*)	4,492 (*)	4,551 3,912
<i>States, 1935</i>												
California.....	132	129	148	147	141	142	145	145	143	145	145	143
Connecticut.....	67	65	65	67	66	65	65	66	66	68	76	69
District of Columbia.....	37	37	37	37	37	37	37	37	37	38	38	38
Illinois.....	1,033	957	969	929	945	970	978	870	851	868	975	1,051
Indiana.....	118	116	116	115	119	119	116	118	120	118	118	120
Maryland.....	39	39	39	39	39	39	39	39	39	39	39	39
Massachusetts.....	232	232	234	237	238	236	235	235	234	237	236	236
Michigan.....	252	242	253	251	248	240	247	244	245	261	251	248
Minnesota.....	47	42	44	43	42	41	41	52	51	54	52	54
Missouri.....	147	143	145	149	145	146	146	140	140	149	148	147
New Jersey.....	102	104	106	108	105	107	104	103	104	102	105	106
New York.....	1,048	1,046	1,124	1,124	1,116	1,086	1,077	1,098	1,126	1,137	1,124	1,119
Ohio.....	590	604	615	626	613	616	638	615	657	615	611	603
Pennsylvania.....	337	337	345	341	343	342	342	332	338	334	342	347
Tennessee.....	36	36	39	40	38	38	38	38	38	38	38	38
Texas.....	19	20	19	18	20	18	18	19	19	18	18	20
Washington.....	11	11	11	11	11	11	11	11	11	11	11	11
Wisconsin.....	60	59	60	60	59	59	59	58	59	58	60	59

* Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

DETAILED STATISTICS OF PRODUCTS FOR BOOK-BINDING, ENGRAVING, LITHOGRAPHING, PHOTO-ENGRAVING, AND STEREOTYPING AND ELECTRO-TYPING

Data on the values of the several classes of products made or of the work done by establishments classified in the following-named industries were called for specifically by the questionnaire used in canvassing these industries (the same questionnaire that was used for the Printing and Publishing industries): Bookbinding and Blank-Book Making; Engraving, Steel, Copperplate, and Wood, and Plate Printing; Lithographing; Photoengraving, not done in Printing Establishments; Stereotyping and Electrotyping, not done in Printing Establishments. The statistics compiled from the data thus collected are given in the table below. No similar data were, however, collected for the "Engraving (Other Than Steel, Copperplate, and Wood), Chasing, Etching, and Diesinking" industry.

BOOKBINDING, ENGRAVING, LITHOGRAPHING, PHOTOENGRAVING, AND STEREOTYPING AND ELECTROTYPING—PRODUCTION, BY CLASS AND VALUE: 1929 TO 1935

	1935	1933	1931	1929	
1. Bookbinding and Blank-Book Making industry, all products, total value.....	\$73,315,359	\$56,010,795	\$79,779,955	\$102,783,405	
2. Bookbinding, blank-book making, etc.....	68,504,796	53,694,319	76,530,168	101,730,239	
3. Products not normally belonging to the industry.....	4,810,563	2,316,476	3,249,787	1,053,166	
4. Bookbinding, blank-book making, etc., secondary activities of other industries.....	11,588,831	8,941,345	16,488,668	21,296,296	
Bookbinding, blank-book making, etc., aggregate value (sum of 2 and 4).....	80,093,627	62,635,664	93,018,836	123,026,535	
Bookbinding.....	51,665,392	} 44,924,423	} 66,280,883	} (1)	
Embossing.....	709,152				
Paper ruling.....	2,832,929				
Blank-book making.....	7,801,386				
Loose-leaf manufacture:					
Forms.....	8,875,875				} 11,553,123
Binders.....	8,208,893				} 9,612,461
1. Engraving, Steel, Copperplate, and Wood, and Plate Printing industry, all products, total value..	20,123,866	16,222,544	27,425,476	47,900,592	
2. Engraving, steel, copperplate, and wood, and plate printing.....	18,514,753	13,759,300	24,572,697	47,298,932	
3. Products not normally belonging to the industry.....	1,609,113	2,463,244	2,852,779	601,660	
4. Engraving and plate printing, secondary activities of other industries.....	5,012,824	3,437,768	4,809,178	6,145,706	
Engraving, steel, copperplate, and wood, and plate printing, aggregate value (sum of 2 and 4).....	23,527,577	17,197,068	29,381,875	53,444,638	
Engraving, etc., other than greeting cards.....	20,494,068	14,936,013	23,762,813	49,146,531	
Greeting cards.....	3,033,509	2,261,050	5,619,062	4,298,107	

For footnotes, see end of table.

BOOKBINDING, ENGRAVING, LITHOGRAPHING, PHOTOENGRAVING, AND STEREOTYPING AND ELECTROTYPING—PRODUCTION, BY CLASS AND VALUE: 1929 TO 1935—Continued

	1935	1933	1931	1929
1. Lithographing industry, all products, total value.....	\$92,046,916	\$68,188,447	\$87,433,164	\$121,014,321
2. Lithographing.....	82,881,856	60,851,538	78,403,640	115,547,307
3. Products not normally belonging to the industry.....	9,165,060	7,336,909	9,029,524	5,467,014
4. Lithographing, secondary activity of other industries.....	16,765,227	11,819,139	14,067,657	15,125,091
Lithographing, aggregate value (sum of 2 and 4) ²	99,647,083	72,670,677	92,471,297	130,672,398
Color (posters, calendars, etc.).....	40,126,699	33,342,614	18,779,719	120,409,808
Commercial forms.....	25,438,889	19,151,224	54,619,285	
Labels ¹	19,332,458	13,381,016	14,690,752	1,262,590
Music ¹	1,064,682	818,713	1,063,809	
Tags and seals ¹	1,007,523	708,140	268,264	(²)
Greeting cards ¹	6,143,995	3,554,316	3,049,468	(²)
Maps and atlases ¹	1,041,758	563,819	(²)	(²)
Metal lithographing.....	4,557,663	1,150,835	(²)	(²)
Paper patterns ¹	933,416	(²)	(²)	(²)
1. "Photoengraving, not done in Printing Establishments" industry, all products, total value.....	53,342,208	37,582,592	56,019,675	77,382,259
2. Photoengraving.....	50,625,651	35,962,350	53,879,287	75,614,058
3. Products not normally belonging to the industry.....	2,716,557	1,620,242	2,140,388	1,768,201
4. Photoengraving, secondary activity of other industries.....	6,525,374	5,183,444	7,099,424	4,680,291
Photoengraving, aggregate value (sum of 2 and 4).....	57,151,025	41,145,794	60,978,711	80,294,340
Photoengraving.....	48,328,797	34,620,726	53,365,045	(²)
Rotogravure.....	8,822,228	6,525,068	7,613,666	
1. "Stereotyping and Electrotyping, not done in Printing Establishments" industry, all products, total value.....	26,867,054	20,005,812	24,581,941	35,617,297
2. Stereotyping and electrotyping.....	25,030,973	18,477,191	22,664,910	35,331,995
3. Products not normally belonging to the industry.....	1,836,081	1,528,621	1,917,031	285,302
4. Stereotyping and electrotyping, secondary activities of other industries.....	3,637,643	2,926,993	4,577,512	5,495,107
Stereotyping and electrotyping, aggregate value (2 and 4).....	28,668,616	21,404,184	27,242,422	40,827,102

¹ In addition, greeting cards, labels, sheet music and books of music, tags and seals, maps and atlases, and paper patterns are produced by establishments classified in other industries (chiefly Printing and Publishing), as follows:

Greeting cards: Printed—1935, \$15,967,088; 1933, \$7,801,381; 1931, \$15,477,178; 1929, no data. Other than printed, lithographed, or engraved—1935, \$2,362,849; 1933, \$3,840,601; 1931, \$5,053,085; 1929, no data.

Labels: Printed—1935, \$32,128,903; 1933, \$20,358,256; 1931, \$26,582,723; 1929, no data. Embossed—1935, \$282,965; 1933, 1931, and 1929, no data.

Music: Printed—1935, \$1,056,832; 1933, \$929,130. Printed and published (including that published by establishments doing no printing)—1931, \$12,203,657; 1929, \$16,537,747.

Tags and seals: Printed—1935, \$9,295,751; 1933, \$7,321,822; 1931, \$10,134,493; 1929, no data. Blank—1935, \$1,678,510; 1933, \$603,477; 1931, \$594,102; 1929, no data.

Maps and atlases: Printed—1935, \$1,334,963; 1933, \$317,008; 1931, and 1929 no data.

Paper patterns: Printed—1935, \$5,566,093; 1933, \$7,499,612; 1931, \$11,622,243; 1929, \$12,965,867. Not printed—1935, \$4,448,535; 1933, 1931, and 1929, no data. Other (stencil and transfer)—1935, \$1,279,298; 1933, 1931, and 1929, no data.

² No data.

³ See "Description of the industry," p. 592.

Group 6.—CHEMICALS AND ALLIED PRODUCTS

THE INDUSTRIES AS A GROUP

[See p. 42]

Group 6 includes not only the industries whose products are chemicals in the ordinary sense, but also those which employ, to a large extent, chemical processes in their manufacturing operations. The group is complex in character, and its several products differ widely, both in kind and in the uses to which they are put. Considerable duplication occurs in the aggregate cost of materials and the aggregate value of products for the group, because of the use of the products of certain industries as materials in others.

For explanations of changes in classification and titles of some of the industries in this group, see "Group 6.—Chemicals and Allied Products," p. 13.

SUMMARY FOR GROUP 6.—CHEMICALS AND ALLIED PRODUCTS: 1929 TO 1935

[See "Changes in industry groups, classifications, and titles," p. 13]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture
Aggregate for the group.	1935	7, 419	276, 434	\$285, 874, 642	\$1, 446, 983, 646	\$2, 837, 315, 314	\$1, 390, 331, 668
	1933	6, 527	237, 480	220, 771, 146	968, 472, 553	2, 117, 513, 188	1, 149, 040, 635
	1931	7, 444	230, 370	263, 270, 677	1, 255, 458, 950	2, 650, 635, 023	1, 395, 176, 073
	1929	8, 224	279, 198	351, 984, 157	1, 935, 058, 349	3, 702, 672, 063	1, 767, 613, 714
Chemicals and allied products other than animal, vegetable, and compounded oils, total.	1935	6, 818	258, 922	275, 280, 123	1, 206, 082, 651	2, 543, 884, 753	1, 337, 802, 102
	1933	5, 960	220, 507	212, 519, 234	838, 521, 787	1, 947, 490, 717	1, 108, 998, 930
	1931	6, 835	215, 176	251, 063, 235	1, 035, 311, 598	2, 376, 978, 463	1, 341, 666, 865
	1929	7, 545	259, 159	334, 406, 905	1, 543, 776, 028	3, 232, 555, 979	1, 688, 779, 951
Ammunition and related products.	1935	13	5, 599	5, 121, 216	10, 200, 108	26, 307, 507	16, 107, 390
	1933	8	5, 305	4, 429, 061	9, 397, 128	24, 401, 909	15, 004, 781
	1931	9	5, 335	4, 427, 889	9, 427, 431	25, 111, 976	15, 684, 545
	1929	10	6, 586	7, 496, 701	17, 270, 104	38, 740, 237	21, 470, 133
Baking powder, yeast, and other leavening compounds.	1935	46	2, 666	4, 277, 962	14, 403, 037	32, 340, 648	17, 937, 611
	1933	40	2, 690	3, 653, 980	13, 111, 867	31, 975, 282	18, 863, 415
	1931	45	2, 881	4, 797, 883	20, 746, 441	47, 027, 339	26, 280, 898
	1929	48	3, 006	4, 846, 730	22, 598, 378	52, 336, 812	29, 738, 434
Blackening, stains, and dressings.	1935	167	1, 498	1, 467, 345	8, 387, 361	17, 931, 563	9, 544, 202
	1933	154	1, 625	1, 504, 329	6, 909, 441	19, 055, 750	12, 146, 300
	1931	156	1, 501	1, 666, 227	6, 940, 724	20, 342, 665	13, 401, 941
	1929	170	1, 617	1, 959, 443	8, 345, 234	24, 681, 836	16, 336, 602
Bluing.....	1935	15	58	55, 204	286, 095	911, 776	625, 681
	1933	16	77	86, 018	322, 681	1, 032, 858	710, 177
	1931	20	95	93, 896	401, 789	1, 178, 554	776, 765
	1929	20	105	106, 917	468, 867	1, 364, 510	895, 643
Bone black, carbon black, and lampblack.	1935	55	1, 828	1, 936, 570	5, 334, 329	14, 811, 268	9, 476, 969
	1933	48	1, 449	1, 205, 529	4, 010, 163	8, 506, 709	4, 496, 546
	1931	62	1, 039	1, 344, 223	5, 021, 874	9, 535, 203	4, 513, 329
	1929	77	1, 915	2, 583, 253	9, 096, 098	20, 169, 722	11, 073, 624
Candles.....	1935	23	713	598, 938	2, 400, 349	4, 734, 485	2, 334, 136
	1933	19	673	561, 248	1, 844, 417	4, 128, 082	2, 283, 605
	1931	23	713	711, 459	2, 480, 770	5, 396, 198	2, 915, 428
	1929	20	781	923, 039	3, 250, 627	6, 686, 194	3, 435, 567
Chemicals not elsewhere classified.	1935	570	65, 828	80, 480, 605	329, 350, 435	668, 697, 448	339, 347, 013
	1933	541	53, 190	59, 228, 692	221, 453, 486	476, 502, 663	255, 040, 177
	1931	558	48, 522	66, 360, 107	246, 068, 398	533, 175, 179	287, 106, 781
	1929	551	62, 199	94, 680, 013	363, 576, 811	738, 048, 386	374, 471, 575
Cleaning and polishing preparations.	1935	395	2, 824	3, 032, 976	17, 282, 575	42, 406, 982	25, 124, 407
	1933	327	2, 755	2, 721, 965	14, 752, 539	41, 048, 318	26, 295, 779
	1931	388	2, 449	2, 969, 048	16, 979, 010	48, 007, 349	31, 028, 339
	1929	429	2, 713	3, 356, 161	19, 399, 041	50, 779, 632	31, 380, 591
Compressed and liquefied gases.	1935	330	3, 788	4, 408, 205	11, 239, 281	42, 018, 950	30, 779, 669
	1933	326	2, 763	3, 154, 300	8, 585, 707	32, 007, 108	23, 421, 401
	1931	349	2, 844	3, 895, 612	10, 134, 507	41, 806, 112	31, 671, 605
	1929	354	3, 390	5, 378, 211	14, 528, 603	52, 189, 779	37, 661, 176
Drugs and medicines.....	1935	1, 056	22, 128	21, 978, 878	83, 444, 677	291, 733, 473	208, 288, 796
	1933	996	19, 683	18, 797, 949	70, 593, 520	257, 012, 695	186, 419, 175
	1931	1, 197	21, 023	23, 194, 291	82, 356, 149	313, 562, 626	231, 206, 477
	1929	1, 366	23, 841	27, 123, 851	112, 509, 871	376, 959, 656	264, 449, 785
Drug grinding.....	1935	21	590	601, 127	3, 378, 932	5, 915, 760	2, 536, 828
	1933	22	630	613, 593	3, 448, 408	6, 399, 236	2, 950, 828
	1931	23	661	711, 328	5, 457, 110	9, 159, 361	3, 702, 251
	1929	26	677	840, 935	5, 675, 079	9, 669, 220	3, 994, 141
Explosives.....	1935	74	4, 570	5, 646, 701	17, 000, 618	40, 667, 200	23, 666, 582
	1933	66	4, 168	4, 135, 128	12, 704, 828	35, 105, 999	22, 401, 471
	1931	78	4, 733	5, 572, 447	19, 518, 905	46, 258, 353	26, 739, 448
	1929	95	5, 614	8, 487, 890	31, 764, 307	72, 539, 724	40, 775, 417
Fertilizers.....	1935	670	17, 473	10, 967, 021	93, 364, 695	140, 386, 112	47, 021, 417
	1933	522	13, 063	7, 274, 317	69, 053, 111	94, 939, 311	25, 886, 200
	1931	599	14, 551	12, 145, 966	106, 481, 104	154, 349, 887	47, 868, 783
	1929	638	20, 926	17, 883, 925	159, 801, 195	232, 510, 936	72, 709, 741

For footnotes, see end of table.

SUMMARY FOR GROUP 6.—CHEMICALS AND ALLIED PRODUCTS: 1929 to 1935—Con.

[See "Changes in industry groups, classifications, and titles," p. 13]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹
Chemicals and allied products other than animal, vegetable, and compounded oils—Continued.							
Fireworks and allied products.	1935	52	1,588	\$1,309,493	\$2,626,025	\$6,504,443	\$3,878,418
	² 1933	46	1,420	1,121,803	2,045,512	5,978,817	3,993,305
	² 1931	41	1,887	1,661,277	2,991,717	6,976,457	3,984,740
	² 1929	61	2,448	2,706,512	5,036,178	11,651,785	6,615,607
Glue and gelatin-----	1935	74	3,253	3,534,418	15,076,298	28,161,033	13,084,735
	1933	63	2,013	2,032,873	8,328,468	17,162,712	8,834,244
	1931	72	2,559	3,325,312	15,460,384	27,515,739	12,055,355
	1929	74	2,993	4,236,092	18,978,027	32,458,019	13,479,992
Grease and tallow, not including lubricating greases.	1935	260	4,784	5,418,697	27,304,982	45,207,296	17,902,314
	1933	201	3,988	4,098,663	14,141,142	26,238,320	12,097,178
	1931	238	4,067	5,224,902	17,532,576	29,240,848	11,708,272
	1929	297	5,475	7,862,149	40,142,447	61,607,990	21,465,543
Ink, printing-----	1935	191	2,370	3,234,361	18,594,167	34,534,951	15,940,784
	1933	160	2,094	2,663,369	12,603,500	26,166,304	13,562,804
	1931	171	2,247	3,479,344	14,532,021	32,188,398	17,656,377
	1929	147	2,448	3,957,185	19,204,715	42,749,992	23,545,277
Ink, writing-----	1935	22	377	379,506	1,414,541	3,381,907	1,967,366
	1933	22	355	321,281	1,226,495	2,522,118	1,295,623
	1931	23	347	362,999	1,462,621	3,535,121	2,072,500
	1929	29	416	479,995	1,992,573	4,594,974	2,602,401
Insecticides and fungicides, and industrial and household chemical compounds not elsewhere classified. (Formerly "Patent and proprietary medicines," etc.	1935	546	3,466	3,401,387	24,343,531	53,429,197	29,085,666
	³ 1933	380	1,977	1,856,430	11,210,546	27,908,314	16,697,768
	³ 1931	498	2,650	3,015,282	20,639,647	54,756,260	34,116,613
	³ 1929	585	3,281	4,109,195	26,035,948	66,725,759	40,689,811
Mucilage, paste, and other adhesives, except glue and rubber cement.	1935	66	267	288,569	1,646,165	3,632,601	1,966,436
	1933	55	213	236,939	1,204,528	2,478,485	1,183,957
	1931	69	282	350,145	1,888,790	3,620,783	1,731,993
	1929	84	414	546,926	3,668,707	6,638,387	2,969,680
Paints, pigments, and varnishes.	1935	1,082	27,686	32,186,867	231,982,952	416,999,566	185,016,614
	1933	961	22,880	23,790,537	153,026,437	289,441,956	136,415,519
	1931	1,039	22,521	29,424,646	193,736,737	350,725,652	156,988,915
	1929	1,063	29,211	42,244,695	334,132,065	568,975,838	234,843,773
Perfumes, cosmetics, and other toilet preparations.	1935	558	9,662	8,585,752	44,532,305	119,529,172	74,996,867
	1933	490	8,978	7,469,884	33,174,743	97,048,992	63,874,249
	⁴ 1931	658	10,026	9,673,527	44,184,324	153,818,139	109,635,805
	⁵ 1931	603	10,748	10,445,781	46,556,363	158,174,699	111,618,336
	1929	815	13,109	13,762,961	58,298,879	193,440,550	135,141,671
Rayon and allied products----	1935	32	50,550	50,693,182	64,505,631	185,159,534	120,653,903
	1933	34	44,306	38,612,632	44,031,316	156,631,519	112,900,203
	1931	32	38,735	38,231,493	36,180,858	132,632,416	96,451,585
	1929	29	39,106	44,697,129	33,334,753	149,546,107	116,211,354
Salt-----	1935	48	4,976	4,883,677	10,933,009	29,720,004	18,786,995
	1933	50	5,036	4,814,150	9,153,885	29,011,281	19,587,396
	1931	53	4,728	5,549,119	10,863,679	31,429,873	20,566,194
	1929	58	5,458	6,735,484	14,187,797	37,868,697	23,680,900
Soap-----	1935	238	13,911	15,339,045	139,423,048	239,152,130	99,729,082
	1933	235	14,304	14,140,241	93,507,390	200,127,929	106,620,539
	1931	248	14,163	17,739,732	121,829,338	257,718,699	135,889,361
	1929	282	14,363	18,994,656	180,352,984	310,191,530	129,838,546
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1935	154	2,651	2,636,004	19,704,046	33,638,800	13,934,754
	1933	124	2,141	2,212,359	13,518,005	23,322,828	9,804,323
	1931	116	1,962	2,390,118	15,520,635	26,469,119	10,948,484
	1929	126	2,419	3,113,617	25,335,629	39,836,035	14,500,406
Wood distillation and charcoal manufacture.	1935	60	3,808	2,816,417	7,923,459	15,070,917	8,047,458
	1933	54	2,731	1,781,944	5,072,824	11,035,722	5,962,898
	1931	63	2,654	2,744,963	6,474,499	11,440,157	4,966,108
	1929	81	4,648	5,293,240	14,791,111	29,593,672	14,802,561

For footnotes, see end of table.

SUMMARY FOR GROUP 6.—CHEMICALS AND ALLIED PRODUCTS: 1929 TO 1935—Con.

[See "Changes in industry groups, classifications, and titles," p. 13]

INDUSTRY	Cen- sus year	Num- ber of estab- lish- ments	Wage earn- ers (aver- age for the year)	Wages	Cost of ma- terials, con- tainers, fuel, and pur- chased elec- tric energy	Value of products	Value added by manu- facture ¹
Animal, vegetable, and compounded oils, total.	1935	601	17, 512	\$10, 594, 519	\$240, 900, 995	\$293, 430, 561	\$52, 529, 566
	1933	567	16, 973	8, 251, 912	129, 950, 766	170, 022, 471	40, 071, 705
	1931	609	15, 194	12, 207, 442	220, 147, 352	273, 656, 560	53, 509, 208
	1929	679	20, 039	17, 577, 252	391, 282, 321	470, 116, 084	78, 833, 763
Oil, cake, and meal, cotton- seed.	1935	458	13, 226	5, 911, 625	160, 540, 022	187, 887, 305	27, 347, 283
	1933	475	14, 242	5, 375, 712	78, 229, 307	104, 211, 631	25, 982, 324
	1931	504	12, 268	8, 335, 459	147, 164, 705	181, 347, 056	34, 182, 351
	1929	553	15, 825	11, 203, 227	249, 019, 800	298, 376, 039	49, 356, 239
Oil, cake, and meal, linseed...	1935	25	2, 350	2, 649, 697	48, 808, 968	60, 264, 331	11, 455, 363
	1933	22	1, 625	1, 684, 254	33, 853, 334	40, 462, 842	6, 609, 508
	1931	28	1, 837	2, 278, 340	50, 306, 207	62, 882, 544	12, 576, 337
	1929	29	2, 715	4, 097, 712	692, 860, 082	611, 326, 162	18, 466, 080
Oils, essential.....	1935	12	166	219, 018	2, 601, 649	3, 541, 983	940, 334
	1933	12	175	221, 688	2, 243, 096	3, 093, 861	850, 765
	1931	12	128	199, 241	2, 706, 615	3, 504, 948	798, 333
	1929	22	265	325, 881	3, 804, 228	6, 653, 353	2, 849, 125
Oils not elsewhere classified...	1935	106	1, 770	1, 814, 179	28, 950, 356	41, 736, 942	12, 786, 586
	1933	58	931	970, 258	15, 625, 029	22, 254, 137	6, 629, 108
	1931	65	961	1, 394, 402	19, 969, 825	25, 922, 012	5, 952, 187
	1929	75	1, 234	1, 950, 432	36, 895, 506	45, 159, 825	8, 264, 319

¹ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 18, p. 11.

² Figures for years prior to 1935 for "Ammunition and related products" have been revised by deducting data for railroad fuses and torpedoes, safety fuses, and miners' squibs; corresponding figures for "Fireworks and allied products" have been revised by adding these data.

³ Figures for years prior to 1935 for "Drugs and medicines," formerly "Druggists' preparations," and for "Insecticides and fungicides," etc., formerly "Patent and proprietary medicines and compounds," revised on account of reclassification of certain products of these industries. Revisions do not affect totals for subgroup or aggregates for group.

⁴ Revised; comparable with 1933.

⁵ As originally published; comparable with 1929.

⁶ Revised; revision not carried into total for subgroup or aggregate for group.

602 AMMUNITION AND RELATED PRODUCTS

[A preliminary report for this industry was issued Dec. 11, 1936]

Description of the industry.—This industry, as constituted for Manufactures Census purposes, embraces establishments engaged primarily in the manufacture of ammunition for small arms (not including grenades and bombs), and of blasting and detonating caps. The figures for Census years prior to 1935 have been revised to exclude data for establishments engaged primarily in the manufacture of railroad fuses and torpedoes, safety fuses, and miners' squibs, which have been assigned to the Fireworks and Allied Products industry. This report does not cover the production of ammunition in arsenals and other plants operated by the Federal Government.

Omission of State statistics.—As no figures can be given for the most important State in this industry, namely, Connecticut, without disclosing approximations of data for individual establishments, and as the only State (Pennsylvania) for which it would be possible to publish separate figures without disclosing such data accounted for less than 4 percent of the total activity of the industry (as measured by number of wage earners employed) in the United States in 1935, no State statistics are included in this report.

TABLE 1.—GENERAL STATISTICS: 1929 TO 1935

	1935	1933 ¹	1931 ¹	1929 ¹	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	2 13	8	9	10	(*)	(*)
Proprietors and firm members.....	721	(3)	(3)	633	(5)	13.9
Salaried personnel, total ⁴	721	(3)	(3)	633	(5)	13.9
Salaried officers of corporations.....	17	(5)	(3)	11	(5)	(*)
Supervisory, technical, and clerical employees.....	6 704	7 575	(3)	622	22.4	13.2
Salaries paid, total ⁴	\$1, 554, 951	(5)	(3)	\$1, 371, 937	(5)	13.3
To salaried officers of corporations.....	\$144, 331	(5)	(3)	\$103, 450	(5)	39.5
To supervisory, technical, and clerical employees.....	6 \$1, 410, 620	7 \$1, 046, 846	(3)	\$1, 268, 487	34.7	11.2
Wage earners (average for year) ⁵	5, 599	5, 305	5, 336	6, 586	5.5	-15.0
Wages.....	\$5, 121, 216	\$4, 429, 061	\$4, 427, 889	\$7, 496, 701	15.6	-31.7
Cost of materials, etc., total.....	\$10, 200, 108	\$9, 397, 128	\$9, 427, 431	\$17, 270, 104	8.5	-40.9
Cost of materials, supplies, and containers.....	\$9, 717, 030	(3)	(3)	\$16, 681, 198	(5)	-41.7
Cost of fuel.....	\$349, 402	(3)	(3)	\$436, 310	(5)	-19.9
Cost of purchased electric energy..	\$133, 676	(3)	(3)	\$152, 596	(5)	-12.4
Value of products.....	\$26, 307, 507	\$24, 401, 909	\$25, 111, 976	\$38, 740, 237	7.8	-32.1
Value added by manufacture ⁶	\$16, 107, 399	\$15, 004, 781	\$15, 684, 545	\$21, 470, 133	7.3	-25.0

*Percent not computed where base is less than 100.

¹ Revised; see "Description of the industry," above.

² California, 1 establishment; Connecticut, 2; Illinois, 1; Minnesota, 2; New Jersey, 1; New York, 1; Ohio, 2; Pennsylvania, 3.

³ No data.

⁴ No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

⁵ Data incomplete.

⁶ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 198; salaries, \$653,054. Technical, 117; salaries, \$280,228. Clerical, 389; salaries, \$477,338. See sec. 10, p. 7.

⁷ Supervisory, 161; salaries, \$535,374. Clerical and other, 414; salaries, \$511,472. See sec. 10, p. 7.

⁸ See sec. 11, p. 7.

⁹ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—WAGE EARNERS, BY MONTHS: 1935 AND 1933

[See sec. 11, p. 7. See also "Omission of State statistics," p. 607]

	1935	1933		1935	1933
Average for the year.....	5,599	5,305	Number reported for:		
Number reported for:			June.....	5,843	5,259
January.....	5,664	4,088	July.....	5,975	5,589
February.....	5,487	4,262	August.....	5,691	6,089
March.....	5,784	4,262	September.....	5,418	6,434
April.....	5,811	4,282	October.....	5,490	6,580
May.....	5,736	4,882	November.....	5,241	6,215
			December.....	5,043	5,720

TABLE 3.—PRODUCTS, BY KIND AND VALUE: 1929 TO 1935

	1935	1933	1931	1929
1. Ammunition and Related Products industry, all products, total value.....	\$26,307,507	\$24,401,909	\$25,111,976	\$38,740,237
2. Ammunition and related products.....	25,941,750	24,305,635	24,904,307	38,508,353
3. Other products (not normally belonging to the industry).....	365,757	96,274	207,669	231,884
4. Ammunition and related products made as secondary products in other industries, value.....	1,128,700	900,083	1,178,358	2,087,012
Ammunition and related products, aggregate value (sum of 2 and 4).....	27,070,450	25,205,718	26,082,665	40,595,365
Ammunition, total value.....	21,026,174	21,999,662	21,474,833	32,450,954
Paper shells, loaded.....	11,557,756	14,393,939	12,582,730	21,663,280
Cartridges (rifle, revolver, pistol), blanks, and other ammunition and parts ²	9,468,418	7,605,723	8,892,103	10,787,674
Blasting and detonating caps, value.....	6,044,276	3,206,056	4,607,832	8,144,411

¹ Revised. See "Description of the industry," p. 607.² Empty cartridge cases, blank and empty paper shells, percussion caps and primers, shot, and wads.

BAKING POWDER, YEAST, AND OTHER LEAVENING COMPOUNDS

[A preliminary report for this industry was issued Dec. 19, 1936]

Description of the industry.—This classification covers establishments engaged primarily in the manufacture of baking powder, yeast, and other compounds used for leavening purposes. It does not cover the production of yeast for their own use by breweries and other establishments.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	46	40	45	48	(*)	(*)
Proprietors and firm members.....	7	4	(1)	8	(*)	(*)
Salaried personnel, total ²	689	(3)	(1)	653	(3)	5.5
Salaried officers of corporations.....	46	(3)	(1)	52	(3)	(*)
Supervisory, technical, and clerical employees.....	⁴ 643	⁵ 584	(1)	601	10.1	7.0
Salaries paid, total ²	\$2, 048, 756	(3)	(1)	\$2, 400, 835	(3)	-14.7
To salaried officers of corporations.....	\$494, 430	(3)	(1)	\$610, 494	(3)	-19.0
To supervisory, technical, and clerical employees.....	⁴ \$1, 554, 326	⁵ \$1, 300, 508	(1)	\$1, 790, 341	19.5	-13.2
Wage earners (average for year) ⁶	2, 666	2, 690	2, 881	3, 006	-0.9	-11.3
Wages.....	\$4, 277, 962	\$3, 653, 980	\$4, 797, 883	\$4, 846, 730	17.1	-11.7
Cost of materials, etc., total.....	14, 403, 037	13, 111, 867	20, 746, 441	22, 598, 378	9.8	-36.3
Cost of materials, supplies, and containers.....	13, 594, 544	(1)	(1)	21, 362, 531	(1)	-36.4
Cost of fuel.....	565, 521	(1)	(1)	936, 785	(1)	-39.6
Cost of purchased electric energy.....	242, 972	(1)	(1)	299, 062	(1)	-18.8
Value of products.....	32, 340, 648	31, 975, 282	47, 027, 339	52, 336, 812	1.1	-38.2
Value added by manufacture ⁷	17, 937, 611	18, 863, 415	26, 280, 898	29, 738, 434	-4.9	-39.7

* Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 171; salaries, \$764,552. Technical, 79; salaries, \$207,972. Clerical, 393; salaries, \$581,802. See sec. 10, p. 7.

⁵ Supervisory, 184; salaries, \$725,714. Clerical and other, 400; salaries, \$574,794. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, containers, fuel, and purchased energy	Value of products	Value added by manufacture
United States.....	46	689	2, 666	\$2, 048, 756	\$4, 277, 962	\$14, 403, 037	\$32, 340, 648	\$17, 937, 611
Illinois.....	6	217	849	619, 179	1, 547, 179	4, 482, 533	8, 790, 798	4, 308, 265
New Jersey.....	4	91	337	440, 662	522, 278	1, 914, 077	6, 150, 767	4, 236, 690
Other States ¹	36	361	1, 480	988, 915	2, 208, 505	8, 006, 427	17, 399, 083	9, 392, 656

¹ California, 2 establishments; District of Columbia, 1; Indiana, 3; Iowa, 2; Maryland, 2; Massachusetts, 2; Michigan, 2; Missouri, 1; New York, 9; Ohio, 3; Oklahoma, 1; Pennsylvania, 1; Rhode Island, 1; Tennessee, 1; Virginia 1; Washington, 2; Wisconsin, 2.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

	Average number employed during year ¹	NUMBER REPORTED FOR—											
		January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>	2,668 2,690	2,680 2,670	2,692 2,663	2,667 2,553	2,658 2,525	2,677 2,562	2,653 2,610	2,655 2,748	2,708 2,830	2,697 2,782	2,669 2,823	2,694 2,795	
<i>States, 1935</i>	849	897	895	848	845	847	842	834	836	836	819	810	
Illinois.....	117	116	117	117	120	120	119	116	118	116	115	116	
New Jersey.....	337	324	322	326	333	332	330	331	365	353	354	351	
New York.....	466	461	460	467	474	483	474	472	494	481	465	461	
Ohio.....	28	25	27	27	26	28	25	28	25	20	29	45	

¹ As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, they differ slightly from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

BAKING POWDER, YEAST, ETC.

611

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE: 1935, 1931, AND 1929

[No comparable figures available for 1933. See sec. 4, p. 3]

	1935	1931	1929
1. Baking Powder, Yeast, and Other Leavening Compounds industry, all products, total value.....	\$32,340,648	\$47,027,339	\$52,336,812
2. Baking powder, yeast, and other leavening compounds.....	28,516,902	42,259,488	47,313,407
3. Other products (not normally belonging to the industry).....	3,823,746	4,767,851	5,023,405
4. Baking powder, yeast, and other leavening compounds made as secondary products in other industries, value.....	1,909,214	1,157,593	2,627,905
Baking powder, yeast, and other leavening compounds, total value (sum of 2 and 4).....	\$30,426,116	\$43,417,081	\$49,941,312
Baking powder:			
Pounds.....	159,599,714	169,641,173	} 541,144,919
Value.....	\$15,004,934	\$22,740,706	
Yeast and other leavening compounds:			
Pounds.....	210,057,732	334,965,763	} \$49,941,312
Value.....	\$15,421,182	\$20,676,375	

BLACKING, STAINS, AND DRESSINGS

[A preliminary report for this industry was issued Jan. 9, 1937]

Description of the industry—This industry, as constituted for Census purposes, embraces establishments engaged primarily in the manufacture of blacking, waxes, stains, and dressings for leather and other materials, and stove polish, burnishing inks, and related products.

No detailed production data for this industry were collected for years prior to 1935.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (-)	
					1933-1935	1929-1935
Number of establishments.....	167	154	156	170	8.4	-1.8
Proprietors and firm members.....	69	64	(1)	83	(*)	(*)
Salaried personnel, total ²	681	(3)	(1)	766	(3)	-11.1
Salaried officers of corporations.....	187	(3)	(1)	179	(3)	4.5
Supervisory, technical, and clerical employees.....	⁴ 494	⁵ 478	(1)	587	3.3	-15.8
Salaries paid, total ²	\$1,793,743	(3)	(1)	\$2,025,838	(2)	-11.5
To salaried officers of corporations. To supervisory, technical, and clerical employees.....	\$982,651	(3)	(1)	\$936,219	(3)	5.0
Wage earners (average for year) ⁶	¹ 498	¹ 625	¹ 501	¹ 617	4.9	-25.6
Wages.....	\$1,467,345	\$1,504,329	\$1,666,227	\$1,959,443	-7.8	-7.4
Cost of materials, etc., total.....	\$8,387,361	6,909,441	⁶ 6,940,724	8,345,234	21.4	.5
Cost of materials, supplies, and containers.....	8,237,086	(1)	(1)	8,216,553	(1)	.2
Cost of fuel.....	85,027	(1)	(1)	81,059	(1)	4.9
Cost of purchased electric energy.....	65,248	(1)	(1)	47,622	(1)	37.0
Value of products.....	17,931,563	19,055,750	20,342,665	24,681,836	-5.9	-27.3
Value added by manufacture ⁷	9,544,202	12,146,309	13,401,941	16,336,602	-21.4	-41.0

* Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 117; salaries, \$321,967. Technical, 57; salaries, \$144,572. Clerical, 320; salaries, \$344,553. See sec. 10, p. 7.

⁵ Supervisory, 105; salaries, \$286,140. Clerical and other, 373; salaries, \$487,281. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 7, table 1]

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, containers, fuel, and purchased energy	Value of products	Value added by manufacture
United States.....	167	681	1,498	\$1,793,743	\$1,467,345	\$8,387,361	\$17,931,563	\$9,544,202
California.....	7	23	23	50,079	20,305	164,182	343,048	178,866
Illinois.....	18	67	111	178,266	82,445	510,881	1,115,980	605,099
Massachusetts.....	58	229	393	618,633	440,893	1,935,886	4,466,873	2,530,987
New Jersey.....	12	50	250	190,255	295,026	1,154,048	3,127,837	1,973,789
New York.....	22	111	179	294,227	154,135	1,775,639	3,451,629	1,675,990
Ohio.....	6	13	15	27,647	14,852	68,771	211,703	142,932
Pennsylvania.....	6	18	35	44,337	35,495	241,706	407,589	165,883
Wisconsin.....	5	22	39	72,827	56,392	249,729	553,361	303,622
Other States ¹	33	148	453	317,472	367,802	2,286,519	4,253,553	1,967,034

¹ Indiana, 2 establishments; Kansas, 1; Maine, 2; Maryland, 4; Michigan, 3; Missouri, 10; Nebraska, 2; New Hampshire, 1; North Carolina, 1; Oregon, 1; Rhode Island, 1; Tennessee, 1; Texas, 3; Virginia, 1.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935
 [See secs. 11 and 23, pp. 7 and 12]

		NUMBER REPORTED FOR—											
Average number employed during year ¹		January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>		1,489	1,412	1,672	1,795	1,693	1,571	1,432	1,405	1,390	1,504	1,318	1,344
1935.....		1,625	(^c)	1,462	(^c)	(^c)	1,869	(^c)	(^c)	1,788	(^c)	(^c)	1,561
<i>States, 1935</i>													
California.....	23	18	28	27	26	26	26	24	25	22	25	22	19
Illinois.....	111	100	89	104	139	123	123	118	129	129	109	72	80
Maryland.....	69	74	90	83	77	73	73	45	49	49	48	44	37
Massachusetts.....	395	387	412	416	401	401	401	404	389	394	389	375	367
Michigan.....	5	5	5	5	5	5	5	5	5	5	5	5	5
Missouri.....	80	93	91	96	80	108	108	54	74	67	72	78	65
New Jersey.....	250	235	270	269	271	250	250	251	242	244	254	239	239
New York.....	179	161	201	214	200	188	188	194	165	172	174	167	162
Ohio.....	15	10	25	26	11	21	21	20	10	11	11	11	10
Pennsylvania.....	55	32	94	35	37	37	37	37	37	36	35	34	33
Texas.....	10	11	12	12	12	12	12	8	9	8	9	9	5
Wisconsin.....	39	39	38	39	40	40	40	38	39	40	40	40	40

¹Data incomplete. See last sentence, second paragraph, sec. 11, p. 7.

²As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, they differ somewhat from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

TABLE 4.—PRODUCTS, BY KIND AND VALUE: 1935

[No comparable detailed figures for earlier years are available]

	Value
1. Blacking, Stains, and Dressings industry, all products, total value.....	\$17,931,563
2. Blacking, stains, and dressings.....	15,613,904
3. Other products (not normally belonging to the industry).....	2,317,659
4. Blacking, stains, and dressings made as secondary products in other industries.....	959,713
Blacking, stains, and dressings, total value (sum of 2 and 4).....	16,573,617
Blacking.....	1,641,029
Stains.....	861,181
Dressings (waxes, automobile-top, etc.).....	1,295,991
Boot and shoe polishes.....	10,831,810
Other leather polishes (harness, belting, etc.) and stove polish.....	1,943,606

BLUING

Description of the industry.—This industry classification covers establishments engaged primarily in the production of laundry bluing, soluble and liquid, aniline blue, etc.

Omission of State statistics.—As no figures can be given for the most important State in this industry, namely, Illinois, without disclosing approximations of data for individual establishments, and as the only State (Pennsylvania) for which it would be possible to publish separate figures without disclosing such data accounted for only a small part of the total activity of the industry in the United States in 1935, no State statistics, except those given in footnote 1, table 1, are included in this report.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	15	16	20	20	(*)	(*)
Proprietors and firm members.....	6	6	(?)	13	-----	(*)
Salaried personnel, total ³	40	(⁴)	(²)	33	(⁴)	(*)
Salaried officers of corporations.....	10	(⁴)	(²)	11	(⁴)	(*)
Supervisory and clerical employees.....	⁵ 30	⁶ 34	(²)	22	(*)	(*)
Salaries paid, total ³	\$105,037	(⁴)	(²)	\$100,136	(⁴)	4.9
To salaried officers of corporations.....	\$57,775	(⁴)	(²)	\$51,943	(⁴)	11.2
To supervisory and clerical employees.....	⁵ \$47,262	⁶ \$71,678	(²)	\$48,193	-34.1	-1.9
Wage earners (average for year) ⁷	58	77	95	105	(*)	-44.8
Wages.....	\$55,204	\$86,018	\$93,896	\$106,917	-35.8	-48.4
Cost of materials, etc., total.....	286,095	322,681	401,789	468,867	-11.3	-39.0
Cost of materials, supplies, and containers.....	281,690	(²)	(²)	461,426	(²)	-39.0
Cost of fuel.....	2,323	(²)	(²)	4,996	(²)	-53.5
Cost of purchased electric energy.....	2,082	(²)	(²)	2,445	(²)	-14.8
Value of products.....	911,776	1,032,858	1,178,554	1,364,510	-11.7	-33.2
Value added by manufacture ⁸	625,681	710,177	776,765	895,643	-11.9	-30.1

* Percent not computed where base is less than 100.

¹ California, 1 establishment; Illinois, 2; Massachusetts, 1; Minnesota, 1; Missouri, 1; New Jersey, 1; New York, 2; Pennsylvania, 3; Tennessee, 1; Virginia, 1; Washington, 1.

² No data.

³ No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

⁴ Data incomplete.

⁵ Supervisory, 8; salaries, \$17,676. Clerical, 22; salaries, \$29,586. See sec. 10, p. 7.

⁶ Supervisory, 10; salaries, \$30,545. Clerical, 24; salaries, \$41,133. See sec. 10, p. 7.

⁷ See sec. 11, p. 7.

⁸ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES: 1935 AND 1933

MONTH	1935	1933	MONTH	1935	1933
Average number employed during year.....	58	77	Number reported for—		
Number reported for—			June.....	54	78
January.....	69	71	July.....	49	67
February.....	69	80	August.....	48	74
March.....	75	82	September.....	54	81
April.....	74	80	October.....	53	82
May.....	54	74	November.....	50	78
			December.....	44	75

BONE BLACK, CARBON BLACK, AND LAMPBLACK

[A preliminary report for this industry was issued Jan. 14, 1937]

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of bone black, carbon black, and lampblack. Bone black, also known as “char” or animal charcoal, is produced by the carbonization of bone in retorts; carbon black, by the imperfect combustion of natural gas; and lampblack, by the imperfect combustion of coal or wood tar, petroleum, rosin, etc.

TABLE 1.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929 TO 1935

	1935	1933	1931	1929	PERCENT OF INCREASE OR DECREASE (—)	
					1933-1935	1929-1935
Number of establishments.....	55	48	62	77	(*)	(*)
Proprietors and firm members.....			(1)	3		
Salaried personnel, total ²	210	(3)	(1)	222	(3)	-5.4
Salaried officers of corporations.....	17	(2)	(1)	26	(2)	(*)
Supervisory, technical, and clerical employees.....	\$ 193	\$ 121	(1)	196	59.5	-1.5
Salaries paid, total ²	\$490,974	(2)	(1)	\$696,444	(3)	-29.5
To salaried officers of corporations.....	\$82,637	(2)	(1)	\$197,559	(3)	-58.2
To supervisory, technical, and clerical employees.....	\$408,337	\$271,197	(1)	\$498,885	50.6	-18.2
Wage earners (average for year) ⁴	1,828	1,449	1,039	1,915	26.2	-4.5
Wages.....	\$1,936,570	\$1,205,529	\$1,344,223	\$2,583,253	60.6	-25.0
Cost of materials, etc., total.....	\$5,334,329	\$4,010,163	\$5,021,874	\$9,096,098	33.0	-41.4
Cost of materials, supplies, and containers.....	\$5,117,883	(1)	(1)	\$9,015,016	(1)	-42.9
Cost of fuel.....	\$33,839	(1)	(1)		(1)	
Cost of purchased electric energy..	\$182,607	(1)	(1)	\$81,082	(1)	125.2
Value of products.....	\$14,811,298	\$8,506,709	\$9,535,203	\$20,169,722	74.1	-26.6
Value added by manufacture ⁵	\$9,476,969	\$4,496,546	\$4,513,329	\$11,073,624	110.8	-14.4

* Percent not computed where base is less than 100.

¹ No data.

² No data for employees of central administrative offices are included in the figures for any year. See sec. 10, p. 7.

³ Data incomplete.

⁴ Supervisory, technical, and clerical employees reported separately for 1935 only, as follows: Supervisory, 64; salaries, \$198,875. Technical, 26; salaries, \$47,935. Clerical, 103; salaries, \$161,527. See sec. 10, p. 7.

⁵ Supervisory, 61; salaries, \$170,959. Clerical and other, 60; salaries, \$100,238. See sec. 10, p. 7.

⁶ See sec. 11, p. 7.

⁷ Includes cost of gas and oil used as materials, \$2,413,266.

⁸ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 18, p. 11.

TABLE 2.—SUMMARY, BY STATES: 1935

[See secs. 11 and 23, pp. 7 and 12. See also footnotes 2 and 8, table 1]

	Number of establishments	Salaries of officers and employees	Wage earners (average for the year)	Salaries	Wages	Cost of materials, containers, fuel, and purchased energy	Value of products	Value added by manufacture
United States...	55	210	1,828	\$490,974	\$1,936,570	\$5,334,329	\$14,811,298	\$9,476,969
Louisiana.....	17	39	462	106,757	415,879	1,410,356	2,639,005	1,228,649
Texas.....	30	135	1,164	282,947	1,329,083	3,368,476	10,920,280	7,551,814
Other States ¹	8	36	202	191,270	101,608	555,497	1,252,003	696,506

¹ California, 2 establishments; New Jersey, 1; Oklahoma, 1; Pennsylvania, 3; Wyoming, 1.

TABLE 3.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1935 AND 1933, AND FOR STATES, 1935

[See secs. 11 and 23, pp. 7 and 12]

	Average number employed during year ¹	NUMBER REPORTED FOR—											
		January	February	March	April	May	June	July	August	September	October	November	December
<i>United States</i>													
1935.....	1,835	1,684	1,714	1,726	1,748	1,780	1,873	1,947	1,820	1,869	1,905	1,972	1,980
1933.....	1,449	1,175	1,210	1,260	1,212	1,306	1,346	1,498	1,578	1,535	1,664	1,747	1,852
<i>States, 1935</i>													
Louisiana.....	462	432	436	477	468	451	409	450	444	501	535	482	464
Texas.....	1,170	1,058	1,082	1,051	1,088	1,119	1,271	1,309	1,183	1,162	1,149	1,263	1,306

¹ As the 1935 averages given in this table are derived from the figures for the 12 months in the calendar year, they differ somewhat from the corresponding averages in table 2, which are derived in part from figures for months in fiscal years differing from the calendar year. See sec. 11, p. 7.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE: 1929 TO 1935

	1935	1933	1931	1929
1. Bone Black, Carbon Black, and Lampblack industry, all products, total value.....	\$14,811,298	\$8,506,709	\$9,535,203	\$20,169,722
2. Bone black, carbon black, and lampblack.....	14,650,255	7,732,473	9,023,617	18,462,283
3. Other products (not normally belonging to the industry).....	161,043	774,236	511,586	1,707,439
4. Bone black, carbon black, and lampblack made as secondary products in other industries, value.....	803,258	1,908,177	1,206,670	3,938,241
Bone black, carbon black, and lampblack, total:				
Pounds.....	389,573,266	299,259,897	317,545,288	431,484,543
Value (sum of 2 and 4).....	\$15,453,513	\$10,640,650	\$10,230,287	\$22,400,524
Bone black:				
Pounds.....	32,922,190	23,122,671	33,214,240	54,277,051
Value.....	\$1,312,972	\$828,596	\$1,288,298	\$2,490,090
Carbon black: ²				
Pounds.....	352,749,000	1,273,125,000	280,907,000	1,366,442,000
Value.....	\$13,755,000	\$7,602,000	\$8,621,000	\$18,725,186
Lampblack:				
Pounds.....	3,902,076	3,012,226	3,424,048	10,765,492
Value.....	\$385,541	\$210,054	\$320,989	\$1,185,248

¹ Revised.² From reports of U. S. Bureau of Mines, Department of the Interior.